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Tomlinson & Hayward, Ltd.
Willows, Francis B. & T.
Wright, Layman & Umney, Ltd.

DOUCHES

Eschbaum, F. A., Ltd.
Maw, S., Son and Sons
Reuter, R. J.

DRUGGISTS' SUNDRIES

Ayrton, Saunders & Co., Ltd.
Barclay & Sons, Ltd.
Berliner, Arthur
Burge, Warren & Ridgley, Ltd.
Bush, H. W., & Co., Ltd.
Christy, T., & Co.
Edwards, W., & Son
Evans Sons Lescher & Webb Ltd
Hovenden, R., & Sons, Ltd.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Newbery, F., & Sons, Ltd.
Pothe, H., & Co.
Quelch, H. C., & Co.
Reuter, R. J.
Sangers'
Schutze, F., & Co., Ltd.
Shirley Bros., Ltd.
Solport Bros.
Southall Bros. & Barclay, Ltd.
Swales, Thomas
Toogood, W., Ltd.
Wattenbach, O.
Woolley, J., Sons & Co., Ltd.

DRUGS, CRUDE

Baiss Bros. & Stevenson, Ltd.
Brook, Parker & Co., Ltd.
Gathergood's Exor.
Goodall, Backhouse & Co.
Hornor & Sons
Potter & Clarke, Ltd.
Ransom, W., & Son
Schmitt & Wildenhayn
Sparks, White & Co., Ltd.

DYES

Crawshaw, E., & Co.
Judson, Daniel & Son
Whitaker & Co. (Hat)

DYEWARES

Clemons, Marshall & Carbert

EAU DE COLOGNE

Farina, J. M.
Farina, J. M. (No. 4)
Farina, Johann Maria
Fickens, Courtenay & Co.
McCracken, J. & R.
Schutze F. & Co. Ltd.
Van Oppen Ross & Co.

EAU DE COLOGNE SOAP

Van Oppen Ross & Co.

EFFERVESCENT PREPS.

Bishop, Alfred, Ltd.
Bristol-Myers Co.
Quest, Thos. & Co.
Lloyd, T. Howard & Co.
Wright, Layman & Umney, Ltd.

ELASTIC HOSIERY

Ayrton, Saunders & Co. Ltd.
Burge, Warren & Ridgley, Ltd.
Haywood, J. H., Ltd.
Maw, S., Son & Sons
Surgical Hosiery Co. Ltd.
Wood, Vincent

EDUCATIONAL INSTITUTES

Bath & West of England College
Birmingham & Midland College
Borough Polytechnic
College of Physicians
Glasgow School of Pharmacy
Liverpool School of Pharmacy
London College of Pharmacy
North of England School
Northern College of Pharmacy
South of England College
Westminster College

ELASTIC GUM INSTS.

Mason Bros. & Chapman

ELECTRIC POCKET LAMPS

Milner Brothers, Ltd.
Ward & Goldstone

ELECTRICAL APPLIANCES

Ward & Goldstone

EMERY AND CLOTH

Oskey, J., & Son, Ltd.

EMULSIFIERS

Bennett, Sons & Shears, Ltd.

EMULSIONS, C. L. O. & Co.

Ayrton, Saunders & Co., Ltd.
Basis Bros. & Stevenson, Ltd.

ENEMAS

Bailey, W. H., & Son
Burge, Warren & Midgley, Ltd.
Daval Rubber Co.
Maw, S., Son & Sons
Newbery, R., & Sons, Ltd.
Warne, W., & Co., Ltd.

EPSOM SALTS

Corbyn, Stacey & Co., Ltd.
Howards & Sons, Ltd.

ESSENCES, CONCRETE

Lautier Fils
Tombarel Frères

ESSENCES, SOL. AND FRUIT

Alliance Drug & Chem. Co.
Barnett & Foster
Boake Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Hay, Wm., Ltd.
Lautier Fils
London Essence Co.
Newball & Mason
Stevenson & Howell, Ltd.

ETHERS

Basis Bros. & Stevenson, Ltd.
Duncan, Flockhart & Co.
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
White, A., & Sons

EUCALYPTUS OIL

British Drug Houses, Ltd., The

EXTRACT OF HERBS

Newball & Mason
Potter & Clarke, Ltd.

EXTRACTS MEDICINAL

Allen, Stafford, & Sons, Ltd.
Evans Sons Lescher & Webb Ltd.
Gathergood's Exor.
Hewlett, O. J., & Son, Ltd.
Parke, Davis & Co.
Ransom, W., & Son

FACTORY SITES

North-Eastern Railway
Great Western Railway

FEEDING BOTTLES

Bush, Henry, W., & Co., Ltd.
Evans Sons Lescher & Webb Ltd.
Horlick's Malted Milk Co.
Hovenden, R., & Sons, Ltd.
Maw, S., Son & Sons
Reuter, R. J.
Sangers
Schantze, F., & Co., Ltd.
Shirley Bros., Ltd.

FILTERS

Berkfeld Filter Co., Ltd.

FLESH GLOVES, STRAPS, &c.

Reuter, R. J.
Sangers
Solport Bros.

FLYCATCHERS

Alabastine Co. (British), Ltd.
Brook, Parker & Co., Ltd.
Deansmore Manfg. Co.
Ford, Shapland & Co.
Kay Bros., Ltd.
Smith, J. H., & Co.
Tunbridge & Wright

FULLER'S EARTH

Mumford, G. S., & Sons

FOODS, INVALID, &c.

Allen & Hanburys, Ltd.
Bell (John), Hills & Lucas, Ltd.
Benger's Food, Ltd.
Bovril, Ltd.
Brand & Co., Ltd.
Cox, Arthur H., & Co., Ltd.
Fairchild Bros. & Foster
Horlick's Malted Milk Co.
"John Bull" Foods, Ltd.
Leiothin, Ltd.
"Lemco and Oxo"
Lofthouse & Saltmer
Menley & James, Ltd.
Natural Food Co., Ltd.
Neave, Josiah R., & Co.
Theinhardt's Food Co.
Turtle Cup (1911), Ltd.
Wander, A., Ltd.
Willows, Francis, B. & T.

FUMIGATORS

Sanitas Co., Ltd.

GLAUBER'S SALT

Brainwell, E., & Son
Howards & Sons, Ltd.

GLYCERINE

Meffert, Hermann & Co.
Price's Patent Candle Co., Ltd.

GLYCERINE PLANT

Forshaw, E., & Sons, Ltd.

GLYCEROPHOSPHATES

Merck, E.
Pointet & Girard
Reitmeyer & Co.

GOLD PANT

Judson, D., & Son

GRAPHITE

Kahn & Co.

GRINDERS, DRUG, &c.

Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse & Co.
Willows, Francis, B. & T.

GRIPE WATER

Woodward, W., Ltd.

GUMS

Fink, F., & Co.
Kidston, W. M., & Co.

HAIR DYES

Blackie, Robert
Harker, Stagg & Morgan, Ltd.
Knox Walker, J., & Co.
Osborne, Garret & Co.

HAIR PREPARATIONS

Anglo-Continental Trading Co.
Blackie, Robert
Chesebrough Manfg. Co.
Edwards' "Harlene" Co.
Egglossa Manfg. Co.
Harker, Stagg & Morgan, Ltd.
Harrison, G. W.
Herpicide Co.
John Strange Winter
Odol Chemical Works
Osborne, Garret & Co.
Roberts' Aureoline
Vibert, F.
Warner Oliver, Ltd.

HAT CLEANERS

Christy, Thos. & Co.
Senior, Alf., & Co.

HAT DYES

Whittaker & Co.

HAY FEVER REMEDY

Lu-Ku Co.

HEATING APPARATUS

Clark's Syphon Stove Co., Ltd.
Richmond Gas Stove & Meter

HERBS

Brook, Parker & Co., Ltd.
Pannett & Neden
Potter & Clarke, Ltd.
Ransom, W., & Son

HOMOEOPATHIC MEDICINES

Ashton & Parsons, Ltd.
Keene & Ashwell, Ltd.

HOSPITAL FURNITURE

Hatrick, Jas. L., & Co., Ltd.

HOTELS

Esmond Hotel
Kingsley Hotel
Thackeray Hotel

HOT-WATER BOTTLES, &c.

Berliner, Arthur
Burge, Warren & Ridgley, Ltd.
Galen Manfg. Co., Ltd.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Scutthall Bros. & Barclay
Tompkins, James, Ltd.
Wood, Vincent

HYPHOPHOSPHITES

May & Baker, Ltd.

Tyrer, T., & Co., Ltd.

HYDROGEN PEROXIDE

May & Baker, Ltd.
Sanitas Co., Ltd.
Tyrer, T., & Co., Ltd.

ICHTHYOL

Ichthyol Gesellschaft

INHALERS

Burroughs Wellcome & Co.

Maw, S., Son & Sons

INK POWDERS

Williams Bros & Co.

INSECTICIDES

Christy, Thos. & Co.
Tomlinson & Hayward, Ltd.

INSECT POWDER

Keating, Thomas

INSECT SUPPORTS

Scholl, C. Manig. Co.

IODINE RESUBLIMED

Howards & Soas, Ltd.

Huskisson, H. O., & Co.

IRISH MOSS

Cumming, J. W.

Salle, H., & Co.

ITROSYL

Fletcher, Fletcher & Co.

JARS AND POTS

Johnsen & Jorgensen, Ltd.

Pfeifer, O. A.

Reuter, R. J.

Stipendium Stopper Co.

JELLOIDS

Jellid Co.

JUJUBES

Guest, Thos., & Co.

Potter & Clarke, Ltd.

JUNKET POWDER

Armour & Co., Ltd.

LAMPS

Block Light Co., Ltd.

LANOLINE

Burroughs Wellcome & Co.

LARD

Even, J., & Sons

LAVERDER OIL

Jakson, John, & Co.

Zimmermann, C., & Co.

LAVERDER WATER.

Maddocks & Co.

LEATHER DYES

Williams, Bros. & Co.

LECITHIN

Chemical Works "Victoria"

Salle, H., & Co.

LIME JUICE AND CORDIAL

Evans Sons Lescher & Webb Ltd.

Goodall, Backhouse & Co.

Idris & Co., Ltd.

Mumford, G. S., & Sons

Taylor, J., & Sons, Ltd.

LINTS

Liverpool Lint Co.

Maw, S., Son & Sons

Robinson & Sons, Ltd.

Taylor, W. G.

LIQUORICE JUICE

Apollo

British Drug Houses, Ltd., The

Evans Sons Lescher & Webb Ltd.

Horner & Sons

Jackson, E. E.

Mumford, G. S., & Sons

Solazzi

Whittaker, Arthur

LIQUORS, CONC. &c.

Fletcher, Fletcher & Co.

Hewlett, C. J., & Son

Robinson, B., & Co.

Wreleys, Ltd.

LITHIA SALTS

British Drug Houses, Ltd., The

May & Baker, Ltd.

LOOFAHS

Internl. Sponge Importers, Ltd.

Solport Bros.

LOZENGES

Ayrton, Saunders & Co., Ltd.

Cox, A. H., & Co., Ltd.

Denoual, J., & Co.

Guest, Thos. & Co.

Jackson, E. E.

Potter & Clarke, Ltd.

Raines & Co.

Standard Tablet & Pill Co., Ltd.

Warrick Bros.

MAGNESIA AND ITS SALTS

Henry, T., & W.

Howards & Sons, Ltd.

May & Baker, Ltd.

Washington Chemical Co., Ltd.

Boulton, J., & Co.

British Diamalt Co., Ltd.

Davies, Sons & Co.

Evans Sons Lescher & Webb, Ltd.

MANICURE PREPARATIONS

Saunders, J. Touzeau, Ltd.

MARKING INK

Hickinson, A. (Bond's)

Williams Bros. & Co.

MEDICINE/TUMBLERS

Bush, Henry W., & Co., Ltd.

MACHINERY, PHARMACAL

Allen & Hanburys, Ltd.
Bennett, E., & Son, Ltd.
Bennett, Sons & Shears, Ltd.
Boothroyd, H. T., Ltd.
Braithwaite, H., & Co., Ltd.
Comet Chemical Co., Ltd.
Forshaw, E., & Son, Ltd.
Gardner, Wm., & Sons, Ltd.
Griffin, J. J., & Sons, Ltd.
Pinder, J. W., & Co.
Stokes, F. J., Machine Co.
Wilkinson, S. W., & Co.

MEAT EXTRACTS

Armour & Co., Ltd.
Bovril, Ltd.
Brand & Co., Ltd.
"Lemco and Oxo."
Tooth's Extract of Meat Co.
Turtle Cup (1911), Ltd.

MECHANICAL SHOW**FIGURES**

Bush, Henry W., & Co., Ltd.

MERCURIALS

Alliance Drug & Chem. Co.
Howards & Sons, Ltd.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.

METAL GOODS

Betts & Co., Ltd.

METHYLATED SPIRIT

Burrough, J., Ltd.
Preston's Liverpool Distillery.
Randall & Son, Ltd.

MICROSCOPES

Raphael's, Ltd.

MINERAL WATERS, SALTS

Apollinaris Co., Ltd.
British Drug Houses, Ltd., The.
Hughes, E. Griffiths.
Ingram & Royle, Ltd.
Vichy (State Springs)
Vittel

MIXERS AND SIFTERS

Comet Chemicals Co., Ltd.
Gardner, Wm. & Sons (Glos-
cester), Ltd.

MUSTARD PLASTERS

Rueff, Julius

NURSES REQUISITES

Hatrick, Jas. L., & Co., Ltd.

OILS, MINERAL, FATTY, &c

Allen, Stafford, & Sons, Ltd.
Price's Patent Candle Co.
Schliemann's Oil & Ceresine Co.
Stern Sonneborn Oil Co., Ltd.

OILS, ESSENTIAL

Allen, Stafford, & Sons, Ltd.
Alliance Drug & Chemical Co.
Boake, A., Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Dodge & Olcott Co.
Evans Sons Lescher & Webb, Ltd.
Jakson, John, & Co.
Lautier Fils
London Essence Co.
Poppelreuter, W.
Ransom, W., & Son.
Schimmel & Co.
Stevenson & Howell, Ltd.
Tombarel Frères
Varaldi, F.
Wright, Layman & Umney, Ltd.
Zimmermann, C., & Co.

ointments

Blackie, Robert
Burgess, E.
Calvert, F. C., & Co.
Cox, Arthur H., & Co.
Oldfield, Pattinson & Co.
Peat Products (Sphagnol), Ltd.
Smith, Maurice
Zimmermann, Chas. & Co.

OLIVE OIL

Goodall, Backhouse & Co.
Sparks, White & Co. Ltd.
Varaldi, F.

OPTICAL GOODS

Baird, John
Botwright & Grey
Darton, F., & Co.
Maw, S., Son & Sons
Nitsche & Gunther Opt. Co., Ltd.
Raphael's, Ltd.

OPTICAL TUITION

Anglo American Optical Co.
British Optical Institute, Ltd.
Spectacle Makers' Company

ORANGE WINE

Hobson, Joseph & Son
Melrose-Drover Co., Ltd.
Millar, A., & Co., Ltd.

OTTO OF ROSE

Crown Chem. Wks. (Synth.)

PALATINOLIDS

Oppenheimer, Son & Co., Ltd.

PHOTO. POSTCARDS

Rajar Ltd.

PACKED GOODS

Allen & Hanburys, Ltd.
Ayrton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, Robert
Boulton, James & Co. (1909)
Brook, Parker & Co., Ltd.
Cox, Arthur H., & Co., Ltd.
Christy, Thos., & Co.
Davies, Sons & Co.
Goodall, Backhouse & Co.
Harker, G. R., Stagg & Morgan
Knox Walker, J., & Co.
Lloyd T., Howard, & Co.
Lorimer Marshall
May, Roberts & Co., Ltd.
Newhall & Mason
Oldfield, Pattinson & Co.
Potter & Clarke, Ltd.
Sangers'
Shirley Bros., Ltd.
Standard Tablet & Pill Co., Ltd.

PASTILLES

Allen & Hanburys, Ltd.
Asohe, C. F., & Co.
Burroughs Wellcome & Co.
Denoual, J., & Co.
Evans Sons Lescher & Webb, Ltd.
Guest, Thos., & Co.
Warriack Bros.

PATENT AGENT

Barker, R. W.

PEPPERMINT OIL

Jakson, John & Co.

PERFUME MATERIALS

Bnsh, W. J., & Co., Ltd.
Hörner & Sons
Lantier Fils
Naef, M., & Co., Succrs.
Sohimmel & Co.
Varaldi, F.
Wright, Layman & Umney, Ltd.
Zimmermann, O. & Co.

PERFUMES

Allen & Hanburys, Ltd.
Baiss Bros. & Stevenson, Ltd.
Barclay & Sons, Ltd.
Bronnley, H., & Co., Ltd.
Bush, W. J., & Co., Ltd.
Christy, T., & Co.
Claber, S., & Co., Ltd.
Erasmo Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Halifor Co.
Hewlett, C. J., & Son
Hovenden, R., & Sons, Ltd.
Jago & Jerome
John Stranace Winter
Lescol Perfumery Co.
McCracken, J. & R.
Newbery, F., & Sons, Ltd.
Piver, L. T.
Quelch, H. C., & Co.
Rivers, Hill & Co., Ltd.
Southall Bros. & Barclay Ltd.
Van Oppen, Ross & Co.
Vinolia Co.
Warriack Bros.
West, T., & Son
Wolff, F., & Sohn

PESSARIES (SOLUBLE)

Burge, Warren & Ridgley, Ltd.
Rendell, W. J.

PETROLEUM JELLY

Chesebrough Mfg. Co.
Sohliemann's Oil & Ceresine Co.

PHOTO. CHEMICALS

Boehringer, C. F., & Soehne
Griffin, John J., & Sons, Ltd.
Johnson & Sons (Mfg. Chts.), Ltd.
Reitmeyer & Co.

PHOTO. ENLARGERS,

PRINTERS, &c.

Express Developing Co.

PHOTO. GOODS

Barclay & Sons, Ltd.
Burroughs Wellcome & Co.
Evans Sons Lescher & Webb, Ltd.
Griffin, John J., & Sons, Ltd.
Ilford, Ltd.
Kent, G. B., & Sons, Ltd.
Lennon, Ltd.
May, Roberts & Co., Ltd.
Newbery, F., & Sons, Ltd.
Oppenheimer, Son & Co., Ltd.
Rajar Ltd.
Silverdale Photo Works.

PHOTO. RUBBER GOODS, &c.

Altrincham Rubber Co.

PLASTERS

Alcock Mfg. Co.
Berliner, Arthur
Dalmás, A. de St., & Co.
Leslie, Ltd.

PLATED PAPER

Darter, Wilkinson & Co.
Smith Bros. & Co.

PILL MAKERS

Allen & Hanburys, Ltd.
Asohe, C. F., & Co.
British Drug Houses, Ltd., The
Cox, A. H., & Co., Ltd.
Davies, Sons & Co.
Howards & Sons, Ltd.
Lloyd, T. Howard, & Co.
Parke, Davis & Co.
Standard Tablet & Pill Co., Ltd.
Wand Manfg. Co.
Wyleys, Ltd.

POLISHES (VARIOUS)

Bradley & Bourdas
Judson, D., & Son
Oakley, J., & Sons, Ltd.

POSTAL BOXES

Robinson & Sons, Ltd.

POSTERS

Ford, Shapland & Co.

POWDER PAPER

Pharm. Indust. Ges. (Offenbach)

PRINTERS

Arden Press
Ford, Shapland & Co.
Harrison & Waide
Suttley & Silverlook, Ltd.
Townsend, J., & Sons

PROPRIETARY ARTICLES

Ashton & Parsons, Ltd.
Barclay & Sons, Ltd.
Beecham, T.
Bovril, Ltd.
Bow's Linament, Ltd.
Box, W. H.
British Drug Houses, Ltd., The
Burgess, E.
Chameleone Oil Co., Ltd.
Christy, T., & Co.
Corbyn, Stacey & Co., Ltd.
Crimson Cross Dispensary
Daisy, Ltd.
Danyss Virus, Ltd.
Davenport, J. T., Ltd.
Edwards, W., & Son
Evans Sons Lescher & Webb, Ltd.
Faulding, F. H., & Co.
Fellows' Med. Mfg. Co.
Fennings, Alfred
Ferris & Co.
Freeman's Chlorodyne, Ltd.
Fulford, C. E., Ltd.
Goodall, Backhouse & Co.
Harrison, Geo. W.
Henry, T. & W.
Hughes, E. Griffiths
Ichthyol Gesellschaft
Kay Bros., Ltd.
Keating, Thomas
Kutnow, S., & Co., Ltd.
Lalor's Phosphodyne
Leceithin, Ltd.
"Lemco" and "Oxo"
Lincoln & Midland Counties
Drug Co.
Lofthouse & Saltmer
"Lu-Ku" Co.
Mackenzie's Cure Depot
Martindale, W.
May, Roberts & Co., Ltd.
Munyon's Remedy Co.
Newbery, F., & Sons, Ltd.
Odol Chemical Works
Oppenheimer, Son & Co., Ltd.
Owbridge, W. T., Ltd.
Phillips, Chas. H., Chem. Co.
Resinol Chemical Co.
Richter, C., & Co.
Riedel, J. D., Co.
Sangers'
Saville Bros.
Schimmel & Co.
Scott & Bowne, Ltd.
Squire & Sons
Standard Tablet & Pill Co., Ltd.
Thompson & Capper
Tunbridge & Wright
Urillac Syndicate
Wander, A., Ltd.
Warner Oliver, Ltd.
Wilcox, Jozeau & Co.
Zimmermann, C., & Co.

PUMPS

Berkfeld Filter Co., Ltd

RECIPES

Brooks, Tom

RESIN AND RESINOIDS

Allen, S., & Sons, Ltd.
Morsen, T., & Son
Ransom, W., & Son
Smith, T. & H., Ltd.

QUININE AND SALTS

Alliance Drug & Chem. Co.
Boehringer, C. F., & Soehne
Burroughs Wellcome & Co.
Corbyn, Stacey & Co., Ltd.
Howards & Sons, Ltd.
Pointet & Girard

RENNET

Fullwood, R. J., & Bland
Oldfield, Pattinson & Co.

RESPIRATORS

Zimmer & Co.

RUBBER GOODS

Berliner, Arthur
Burge, Warren & Ridgley, Ltd.
Davol Rubber Co.
Haywood, J. H., Ltd.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Schutze, F., & Co., Ltd.
Surgical Hosiery Co., Ltd.
Warne, W., & Co., Ltd.

SACCHARIN

Saccharin Corporation, Ltd.

SAMPLE CASES

Keane, Thomas

SANITARY TOWELS

Southall Bros. & Barclay, Ltd.

SANTONIN

Smith, B. A., & Co.

SAPONIN

Field, C. W.

SAUCES

Goodall, Backhouse & Co.

SCALE PREPARATIONS

Morsen, T., & Son

SCIENTIFIC APPARATUS

Reynolds & Branson, Ltd.

SEA SALT

Tidman & Son, Ltd.

SEAWATER PLASMA

Boisselier, Astor

SEEDS

Potter & Clarke, Ltd.
Taylor, J., & Sons, Ltd.

SERUMS AND ANTITOXINS

Allen & Hanburys, Ltd.
Evans Sons Lescher & Webb, Ltd.
Parke, Davis & Co.
Richter, C., & Co.
Schimmel & Co.
Wilcox, Jozeau & Co.

SHARES

McAdam & Tuckniss

SHELLAC

Kershaw, H. E., Ltd.

SHEEP DIPS

Burt, Boulton & Haywood
Tomlinson & Hayward, Ltd.

SHEEP MEDICINES

Pettifer, Stephen, & Sons

SHOP FITTING

Ayrton-Graham, Ltd.
Bowling & Son
Cook, George
Evans Sons Lescher & Webb, Ltd.
Grant, D.
Josephs, Philip & Sons, Ltd.
London & Colonial Mfg. Co.
Maw, S., Son & Sons
Parnall & Sons, Ltd.
Rudduck & Co.
Sangers'
Southall Bros. & Barclay, Ltd.

SHOULDER STRAPS

Wood, Vincent

SOAP MATERIALS

Armour & Co., Ltd.

SOAP PLANT

Forshaw, E., & Son, Ltd.

SOAPS, TOILETS, &c.

Allen & Hanburys, Ltd.
Armour & Co., Ltd.
Bell, John, Hills & Lucas, Ltd.
Bronnley, H., & Co., Ltd.
Calvert, F. C., & Co.
Chesebrough Mfg. Co.
Cook, E. & Co., Ltd.
Erasmo Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Fulford, C. E., Ltd.
Hovenden, R., & Sons, Ltd.
John Stranace Winter
Lambert Pharmacal Co.
Lescol Perfumery Co.
Oakley, J., & Son, Ltd.
Pears, J., & F., Ltd.
Peat Products (Sphagnol), Ltd.
Piver, L. T.
Price's Patent Candle Co.
Resinol Chemical Co.
Sanitas Co., Ltd.
Van Oppen, Ross & Co.
Vinolia Co., Ltd.
Wolff, F., & Sohn
Wright, Layman & Umney

SODA FOUNTAINS

Flugel & Co.

SODIUM BICARBONATE

Brunner, Mond & Co., Ltd.
Electrolytic Alkali Co., Ltd.
Howards & Sons, Ltd.
Mumford, G. S., & Sons

SOOTHERS AND FITTINGS

Brook, Parker & Co., Ltd.
Schutze, F., & Co., Ltd.
Shirley Bros., Ltd.

SPARKLETS

Aerators, Ltd.

SPECTACLES

Betwight & Grey
Darton, F., & Co.
Maw, S., Son & Sons
Nitsche & Gunther Opt. Co., Ltd

SPICES

Goodall, Backhouse & Co.

SPIRIT OF WINE

Burrough, J., Ltd.
Preston's Liverpool Distillery

SPONGE BAGS

Sangers'

SPONGES

Internl. Sponge Importers, Ltd.
Maw, S., Son & Sons
Sangers'

SPRAYS

Burge, Warren & Ridgley, Ltd.
Burt, Boulton & Haywood, Ltd.
Davol Rubber Co.
Hovenden, R., & Sons, Ltd.
Maw, S., Son & Sons
Parke, Davis & Co.
Rogers, Frank A.
Sangers'

Toogood, Wm., Ltd.

SPRINKLER CORKS

Betts & Co., Ltd.

Brooks, Peel & Co.

SPRUCE BEER

Hobson, Joseph, & Son

STARCH

Mumford, G. S., & Sons

Wood, Chas. E.

STATIONERY

Suttley & Silverlook, Ltd.

STERILISERS

Hatriek, Jas. L., & Co., Ltd.

STILLS

Bennett, E., & Son, Ltd.

Bennett, E., & Sons, Ltd.

Braithwaite, H., & Co., Ltd.

Brown & Son (Automatic)

Stokes, F. J., Machine Co.

STOPPERS

Fletcher, Fletcher & Co.

Stipendium Stopper Co.

SUPPOSITORIES

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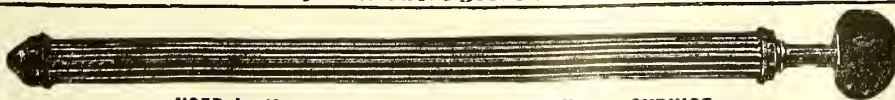
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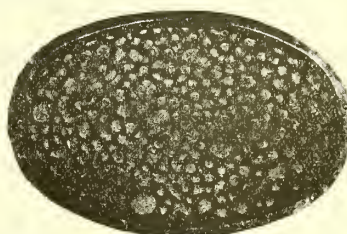
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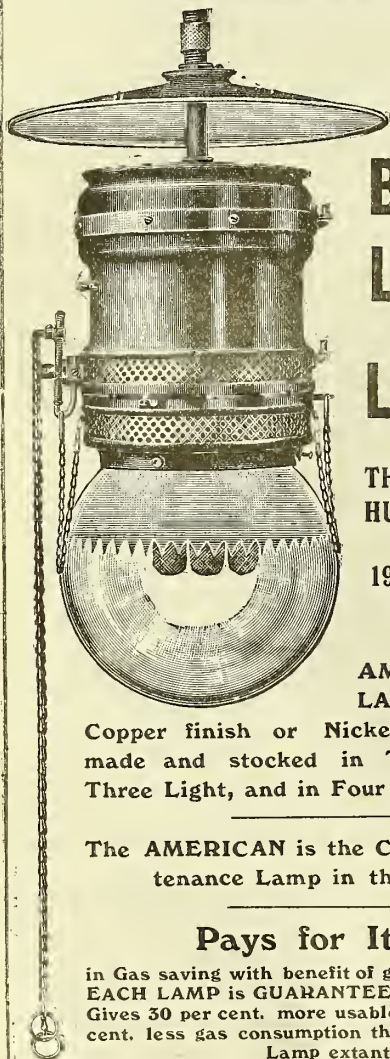
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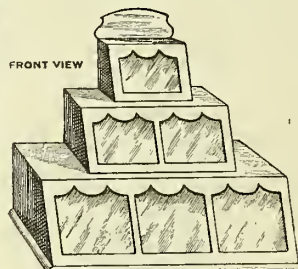
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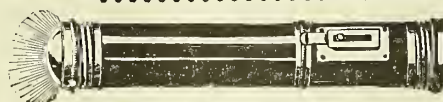
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ELECTRIC SCARF PINS, with attachment, from ..	5/8 "
Best Quality ELECTRIC BULBS ..	2/- "
ELECTRIC ALARM CLOCKS from ..	3/4 each.
'IMPERIAL' BATTERIES (powerful and lasting) 7d.	
Best Quality REFILLS FOR POCKET LAMPS from ..	2/9 doz.
MEDICAL COILS from ..	12/- "

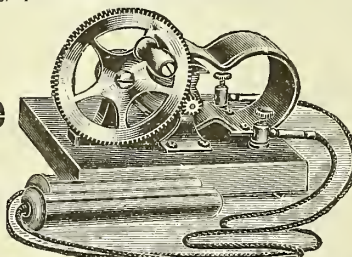


'Small Captain' Torchlight.
Well finished, with metal filament, bulb and refill.
8 in. long, 1 1/2 in. diam. Price 3/- each.

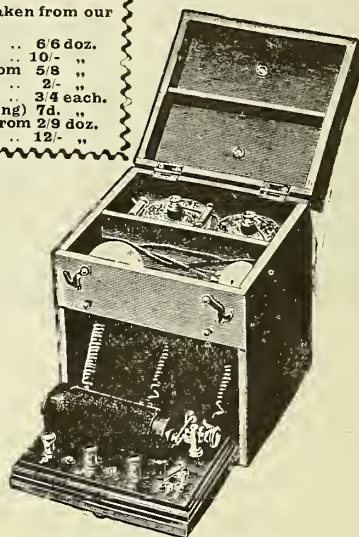
Ward & Goldstone

Contractors to
H.M. Government.
NOVELTIES' DEPT.

Springfield Lane,
SALFORD,
MANCHESTER.



The 'Magnetocure.' Gives a mild or powerful shock upon turning handle.
Price 26/8 per dozen net.



The 'Delia' Medical Coil with regulating tube and switch which enables the operator to use one or two batteries. As illustrated, in beautifully polished walnut case. Price 17/4 net.

A WONDERFUL LINE.
Superior pattern Electric Pocket Lamp with bulb and refill.
Price 6/6 per doz. net.
Ditto with bull's-eye lense, 7/8 doz. net.

TRY IT IN YOUR BATH

BY APPOINTMENT



TO H.M. THE KING.

SCRUBB'S AMMONIA

MARVELLOUS PREPARATION

Refreshing as a Turkish Bath. Invaluable for Toilet Purposes.
Splendid Cleansing Preparation for the Hair. Removes Stains and Grease Spots from Clothing.
Allays the Irritation caused by Mosquito Bites. Invigorating in Hot Climates.
Restores the Colour to Carpets. Cleans Plate and Jewellery. Softens Hard Water.

Of all Chemists, Etc. Price 1s. per Bottle.

SCRUBB & CO., LTD., GUILDFORD STREET, LONDON, S.E.

HUNTLEY, BOORNE & STEVENS, LTD

TIN-WORKS, READING.

**COLOR
PRINTERS
ON TIN.**



MAKERS OF HIGH-CLASS.
DECORATED & PLAIN TIN BOXES
& SPECIALITIES FOR CHEMISTS
Quotations to samples
or descriptions.
CORRESPONDENCE INVITED

Telegrams
Newark's Reading? National Telephone 29

'A GENUINE AND MATCHLESS'

Malt Extract

(See 'Lancet,' 'British Medical Journal,' 'Practitioner,' &c.)

Leaving the Chemist 33% clear profit.

Secured by the P.A.T.A.

DIAMALT

A MALT EXTRACT of perfect
purity, great diastasic strength
:: and high proteid value. ::

See Analysis of all Malt Extracts in the Market,
'British Medical Journal,' November 20, 1909.

'LANCET' REPORT:-

"'Diamalt' Malt Extract and 15% to 33% Cod
Liver Oil may be regarded as the standard of a
Malt and Cod Liver combination."

In 16 oz. and 26 oz. Jars, and in Bulk.

Obtainable of all Wholesale Houses or direct from

THE BRITISH DIAMALT CO.

11 & 13 Southwark Street, LONDON, S.E.

GARDNER'S PATENT

"RAPID" SIFTERS & MIXERS

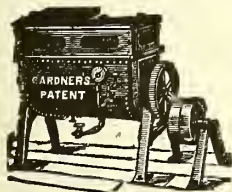
OVER 3,500 working in

Almost Every Trade where
POWDERS are Sifted and
Mixed and Lumps Re-
duced, all being done at
one operation and without
loss by dust.

FOR HAND OR POWER.

From 55/- to £90.

CATALOGUES FREE.



WM. GARDNER & SONS, Engineers, GLOUCESTER.

PATENT EMULSIFIER

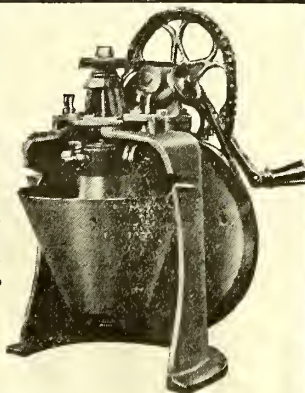
The "2 in 1" Machine.
Specially designed to meet
the needs of Chemists, Whole-
sale and Retail. For emul-
sifying direct from the raw
material in one operation
without previous mixing.

HAND OR POWER DRIVEN.

Send for particulars and prices to

H. T. BOOTHROYD LTD.,
BOOTLE, LIVERPOOL.

Telephone, 420 Bootle.
Telegrams: "Commutator
Liverpool."



30%

—and big, steadily increasing sales.

These are two of the attractions Freeman's
Chlorodyne offers you.

The success of Freeman's Chlorodyne in the relief and
cure of Diarrhoea, Dysentery, and Cholera, and other
tropical complaints has won high tribute from doctors
and public alike. FREEMAN'S CHLORODYNE is an article
you may sell with confidence.

FREEMAN'S ORIGINAL CHLORODYNE

is put up in 1/1½, 2/9 and 4/6 bottles. Wholesale (P.A.T.A.)
prices for Home Trade:—9/3, 24/-, and 40/- doz.

Specially favourable terms for Export.
Orders through recognised Merchants and
Wholesale Houses receive prompt attention.

Agents wanted where not represented.
FREEMAN'S CHLORODYNE, LTD., LONDON, S.E., ENGLAND.



MALT EXTRACT and with COD LIVER OIL.



ANALYSIS.

Total Solids 73.3%

Maltose ... 70.0%

Protein ... 6.25%

Dextrin ... 10.0%

Ash ... 1.4%

DIASTATIC POWER
366.

SEASON'S
CONTRACTS
BOOKED.

Write for Sample and
Price to

JAMES BOULTON & CO.,
Warton Road, Stratford, LONDON, E.

Look for Turtle Cup in the Daily Press



WE are advertising steadily, powerfully and persistently the health-giving and strengthening powers of Turtle Cup (made of real turtle, fresh beef and vegetables).

THE demand is sure to be large and sustained. Are you ready to meet it? If not, write at once for trade terms and advertising literature.

The margin of profit from Turtle Cup makes it well worth your while to push.



Turtle Cup (1911) Ltd
15 Bury Street,
St. Mary Axe, E.C.

GLIDINE

A CONCENTRATED PROTEID FOOD and its
NON-TOXIC COMBINATIONS

WITH

IODINE, BROMINE, MERCURY,
ARSENIC and IRON.

GLIDINE	- -	In Tins at 2/9 and 5/- each
IODOGLIDINE	TABLETS	In Glass Tubes — at — 3/- per Tube
BROMOGLIDINE	"	
LUESAN	"	
ARSAN	"	
FERRO-GLIDINE	"	In Boxes containing 3 Tubes at 3/- per box.

IODEX.—A non-staining, non-irritating preparation of Free Iodine for external application.

In 1-oz. Jars, price 1/1½.
(Unstamped for Dispensing, 1/-.)

LAXOL.—Castor Oil made palatable.

In 3-oz. Bottles, price 1/1½.

Descriptive PRICE LIST on application to

MENLEY & JAMES, Ltd.,
Menley House, 139 Farringdon Rd., London.

Telephone: 4704 HOLBORN. Telegrams: "AMISOTO, LONDON."

Lofthouse & Saltmer

LTD.

—Wholesale and Export Drug—
Merchants, Manufacturing Chemists,

HULL,

invite the attention of the Trade to the following well tried preparations which carry a big P.A.T.A. retail protected profit, and are well known and valued by the public in many parts of the country.

		PROTECTED RETAIL PRICE.	DOZ.
Losali's Asthma Remedy.	Very effective Remedy for Asthma, Bronchitis, &c.	1/-	7/6
			net.
Losali's Salt.	The popular Remedy for Eczema, Gout, Rheumatism, and Biliousness. Well advertised.	6d.	3/6
		1/-	7/-
		1/6	10/6
Prepared Barley ("CROWN" BRAND).	Usual 1/- size, Javer lid tins, for children and invalids.		bottles.
			4/-
			net.

Malted Food.

Usual 1/- size, lever lid tins. Name and address free on 3 dozen.
Special design label with name and address on gross orders, if desired.

4/6

London Agents: **F. NEWBERRY & SONS, Ltd.**

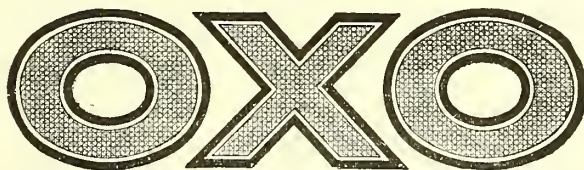
BY APPOINTMENT TO



H.M. THE KING.

A tradesman writes:—

"Kindly enter my name for bonus. I hope to
 "draw a bigger cheque than ever. My sales
 "of OXO are increasing steadily year by year.
 "My customers are more and more realising
 "its value as a food in addition to its use
 "in the sick-room."



Thames House, Queen Street Place, London, E.C.

HORLICK'S MALTED MILK

(In Powder Form).

No Cooking. Prepared instantly by stirring
 vigorously in water, hot or cold.

THE FOOD that BRINGS RESULTS

The first thought of experienced dietitians
 when selecting a palatable, nourishing,
 easily assimilated food.

¶ The wholesome, invigorating principles of
 pure milk and choice malted grain, so pre-
 pared as to be properly assimilated in the
 feeblest conditions.

¶ Used more extensively every year in the
 feeding of infants and as a supplementary
 nutrient for growing children. Also with
 increasing confidence by adults as a table
 beverage in the home—superior to tea or
 coffee at meals—and an efficient corrective
 of insomnia taken hot before retiring.

Endorsed by the Medical Profession.
 Recommended and sold by all Chemists, in
 three sizes: 1/6, 2/6 and 11/-

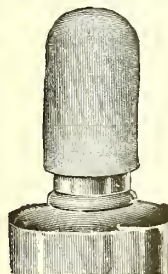
ADVERTISING MATTER PREPAID ON REQUEST.

Horlick's Malted Milk Co.
SLOUGH, BUCKS.

VISCOSE Bottle Caps

are so positively SIMPLE that we cannot urge this point too much.
 But Viscose Caps are also the most efficient, most reliable, most
 elegant form of capping for all bottles obtainable. Try it!

VISCOSE DEVELOPMENT CO., LTD.,
 11 Queen Victoria
 St., London, E.C.



Put the wet cap
 loosely over the
 neck of bottle
 and leave. As it
 dries it shrinks
 tight as a drum
 and air-tight and
 spirit-proof.

THIS

is all
 you do
 !

FOR 6oz & 8oz
Corks
 A LEADING LINE 7^d GROSS.

These corks are 1" long,
 all 6 and 8oz. no small ones.
 20 gross bag delivered free in U.K. for 11s. 6d. cash with order.

Other Qualities in Stock from 5^d upwards.

N. W. Mitchell & Sons
 (LIMITED)

"BOUCHON" WORKS,
 15-17, FARRANCE ST.,
 LONDON, E.

CREATES

CUSTOM.



THE SYPHON THAT SUITS

all mineral water purposes (see list of Sparklets) and all pockets too (by virtue of its economy) is the "Prana"

SPARKLET SYPHON

The ownership of one of these entails a periodical visit, and therefore ensures the custom of that family to the Chemist who sold it. Have you tried one in your own home?

Sole Makers:

AERATORS LIMITED,
UPPER EDMONTON, LONDON, N.

FLUGEL'S COMBINED SYPHON FILLER

AND

SODA FOUNTAIN.

**Automatic
Aeration**

and

**Perfect
Filtration.**

THE same machine fills Syphons and Bottles and also supplies Draught. Any size Syphon can be filled from the same machine.

OUTPUT UNLIMITED.

ABSOLUTELY NO WORK.

Every Chemist should write immediately to the publishers for a free copy of the latest work on Mineral Waters—

"The Flugel Instructor,"
Just Published at 10s. 6d. net.

Compiled from most up-to-date information, especially arranged for the use of the Chemist, which will be forwarded gratis and carriage paid to any Chemist mentioning the C. & D.

FLUGEL & Co., 21 LIME STREET,
LONDON, E.C.4

A. MILLAR & CO., LTD., DUBLIN PURE ORANGE WINE

(VINUM AURANTII, B.P.) Prepared in strict accordance with the Formula of the British Pharmacopœia.

(Wholesale only.)

London Agent: JAMES STIRTON, 23 ST. DUNSTON'S HILL, E.C.

GUMS

ARABIC, TRAGACANTH & MASTIC.

When buying enquire
of the importers—
W. M. KIDSTON & CO.
29 Mincing Lane,
LONDON, E.C.

DEXTRINE & SENNA.

WAXES

PARAFFIN, JAPAN, & BEESWAX.

VITTEL

GRANDE SOURCE.

The TABLE WATER for Arthritis,
Gout, and Kidney Troubles.

VOSGES,
FRANCE.

SOURCE SALÉE.

The TABLE WATER for Constipation,
Complaints of the Liver and Stomach,
Gall Stones, Glycosuria, &c.

*Vittel Spa has many
attractions for visitors.*

*Full particulars
on application*

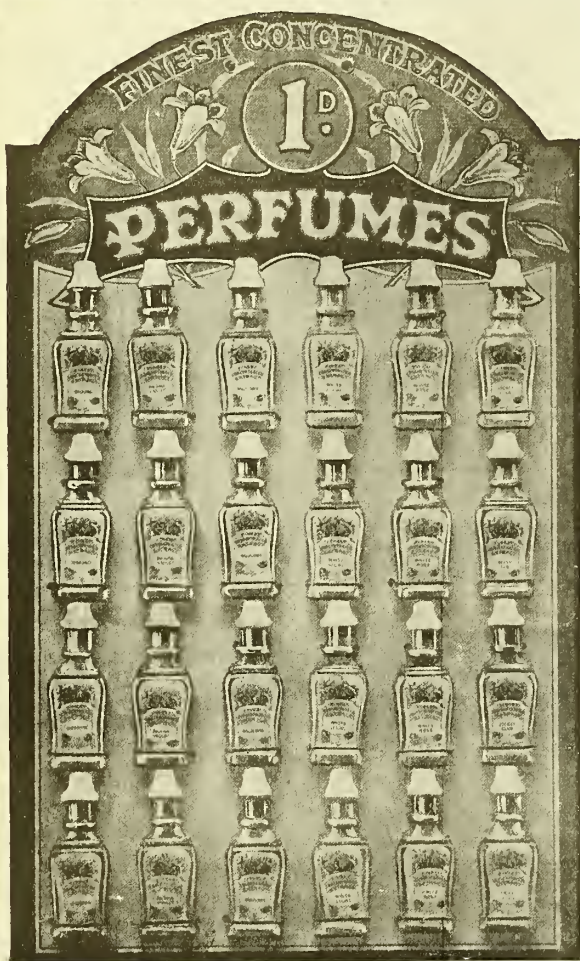
9,000,000 BOTTLES SOLD ANNUALLY.

VITTEL, 12 Mark Lane, LONDON, E.C.

THE LESCOL PERFUMERY CO.

LONDON, S.E.

LINES FROM 1^D. TO A GUINEA



Write for New Illustrated Price List.



CHAMOIS WASH LEATHERS.

HOUSEMAIDS' GLOVES. GARDENING GLOVES. MOTOR GLOVES. TOILET CHAMOIS.

Round, Square, Oval. Packed in neat Boxes. Special discounts for quantities. Write for Sample Boxes or Kips on approval.

THE NORTH OF ENGLAND CHAMOIS CO. LD. Manufacturers, Newcastle-on-Tyne.

IN BOXES (12 skins)
From 12 x 12 to 32 x 32
Prices 4/- to 32/6 doz.

IN KIPS (30 skins)
From 8 x 9 to 32 x 32
Prices 4/6 to 82/- Kip.



Trade Mark.



Registered.

33 1/3 PER CENT. is the
GUARANTEED PROFIT
on the LEADING LINES
of the CAR-MA-ME PREPARATIONS.

THE CAR-MA-ME Dental & Toilet Preparations

Trade Mark.



Registered.

Liq. Germicide Car-ma-me ...	2/6	Dentifr. Liq. Car-ma-me ...	1/-
Liq. Zinci Chlor. Car-ma-me ...	2/-	Car-ma-me Dental Cleanser ...	1/6
Pulv. Dentifr. Car-ma-me ...	1/-	Car-ma-me Plate Brush for do.,	1/3
Pastæ Dentifr. Car-ma-me ...	1/-	Car-ma-me Tooth Brush	1/- & 1/3

Telephone—9335 Gerrard
Telegrams—"Hartura London."

BASH & CO., 35 & 36 Foley St., London. W.

Codes—ABC 5th Edition
and Western Union.

Two Good Lines



POTTER & MOORE'S — Mitcham — Lavender Water

NEW STYLE POCKET FLASKS.

Retail 1/1. Wholesale 9/- doz.

BUISSON FRÈRES

(True to
Nature)

Carnation Perfume ::

12/-, 18/-, 24/-, & 48/- doz.



SOLE PROPRIETORS:

W. J. BUSH & CO., LTD.

Ash Grove, HACKNEY, N.E.

And at NEW YORK, MOSCOW, MELBOURNE, SYDNEY & GRASSE.

S. CLABER & CO., Ltd.

Proprietors of JAGO & JEROME

Perfume Manufacturers

ALL CLASSES.

ADDRESS: 28 Canal Street, MANCHESTER.



NEWBRO'S HERPICIDE

The ORIGINAL remedy that kills the dandruff germ.

This wonderful Hair-Saver acts by destroying the germ or microbe that causes dandruff, itching scalp and falling hair, after which the hair resumes its abundant growth and beauty as nature intended. Extraordinary results follow the intelligent use of Herpicide. Sold in all civilised countries.

Newbro's Herpicide is the most exquisite hair dressing in the world. Cooling and comforting. It stops itching of the scalp almost instantly.

Manufactured by THE HERPICIDE COMPANY, Detroit, Michigan, U.S.A.

TRADE SUPPLIED BY

THE AMERICAN DRUG STORES | THOMAS CHRISTY & COMPANY

Wholesale and Retail

C. BROOKS, M.P.S., Chemist and Druggist,
4 Northumberland Av., W.C.; Craven House,
Kingsway, W.C.; and 26 Cranbourn St., W.C.

4, 10 & 12 Old Swan Lane,
Upper Thames Street, E.C.

PRICES

Retail 4/- per bottle.

Wholesale 33/- per dozen.

In lots of 3 dozen, 5 % discount.

Kaloderma

Soap,

Face Powder,

Toilet Jelly,

Shaving Stick.



Peerless Toilet Preparations,
Unrivalled for the Complexion,
Softening & Beautifying the Skin.

Gold Medal, Paris, 1900, Grand Prix, St. Louis, 1904
Soap, box of 8 tablets, 1s. 6d. Shaving Stick, 1s.
Jelly, or Face Powder, 2 sizes, 6d. and 1s. each.

F. WOLFF & SOHN,
LONDON, KARLSRUHE, PARIS.

Wholesale: 82 Hatton Garden, E.C.
Sold by Chemists.

BEETHAM'S

"LAROLA"

(Registered)

Is the Skin Tonic for 1911.

It is effective.

It is attractive.

It is price-protected.

It is well-advertised.

It sells readily.

It bears a good profit.

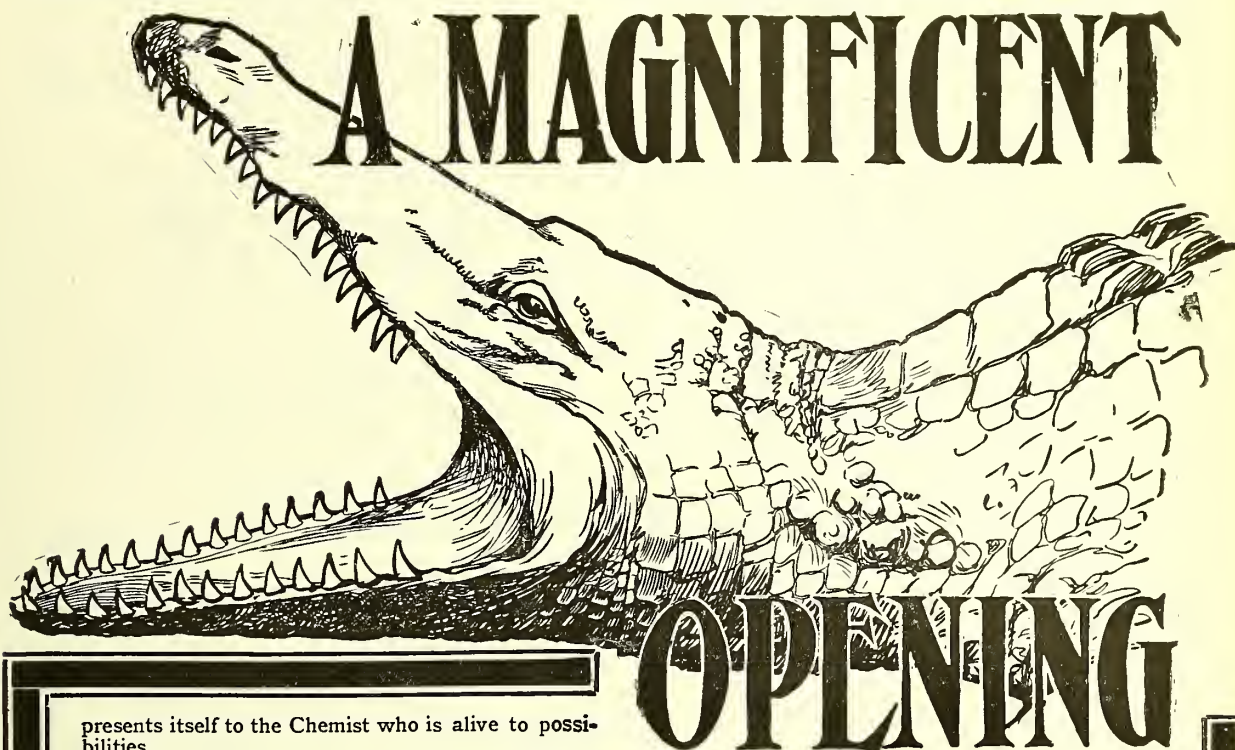
HAVE YOU OUR SHOWCARD?

THIS IS WHAT THE "C. & D." SAYS OF IT:-

BEETHAM'S NEW SHOWCARD.—One of the prettiest lithographic productions which have come to us lately is the Larola beauty here depicted. The card measures 24 in. by 18 in., and is all roses, even the word "Larola" being formed from prickly rose-stems. The fair rose-gatherer has rosy cheeks, and she and the setting make so bright a picture that no pharmacy will be complete without it. Copies can be obtained from Messrs. M. Beetham & Son, Cheltenham, the originators of Glycerine-and-Cucumber and Larola.

This handsome Show Card, in 14 colours (size 24 by 17), can be had by any chemist who will give it a good place in his pharmacy.

M. BEETHAM & SON, Cheltenham.



presents itself to the Chemist who is alive to possibilities.

It is in the nature of a preparation that is going to revolutionise the process of shaving.

This preparation we have appropriately named

"QUICKSHAVE."

"QUICKSHAVE" is the result of patient and continuous research to find a quick yet comfortable means of shaving, and in offering "QUICKSHAVE" we do so with the utmost confidence that it will meet with unanimous approval both from the public and the trade.

WHAT "QUICKSHAVE" IS :

"QUICKSHAVE" is a preparation for use in shaving. It dispenses entirely with the use of Water, Soap, or Rubbing. A few drops on a soft, moist Brush (a Badger Brush gives best results), gently rubbed over the beard produces a fragrant, creamy lather, softens the beard, and is immediately ready for the application of the razor.

YOU DON'T RUB. :: :: YOU SHAVE RIGHT AWAY.

It gives a clean, close, comfortable shave in half the time taken with Soap and Water.

"QUICKSHAVE" is free from alkali or any irritating ingredient.

"QUICKSHAVE" is soothing, healing, and comforting to the skin.

"QUICKSHAVE" dispenses with Soap, Water, and Lathering, and shortens the operation of shaving by fully three minutes.

"QUICKSHAVE" IS ALREADY IN USE IN MANY OF THE LEADING HAIRDRESSING ESTABLISHMENTS IN THE COUNTRY.

N.B.—"QUICKSHAVE" is provisionally patented.

PRICES.— 6d. Tubes or Bottles ... 3/9 doz. } Bottles or
1/- Bulk—One Pint Bottles... 7/- " } Jars Free.
Quart " ... 2/- "
Gallon " ... 7/6 "

Beware of imitations.



OUR FREE OFFER.

To enable the trader to convince his customers of the merits of "QUICKSHAVE," we will supply, FREE OF CHARGE, 50 Sample Tubes for free distribution (sufficient in each tube for two or three shaves) with an order for three dozen 6d. tubes. Snap up this opportunity; it is for a limited period.

THE ELITE TOILET CO. (Branch of the County Chemical Co., Ltd.),
Chemico Works, BRADFORD ST., BIRMINGHAM.

**OVER 100% PROFIT
ENSURED & PROTECTED (P.A.T.A.)**

for sellers of

Laurence's Hair Dyes

One solution, nine shades.

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

Size.	Minimum retail.	Minimum wholesale.	
1/-	1/-	7/6	} per doz., less 5% discount.
1/6	1/6	9/-	
2/6	2/3	15/-	
3/6	5/3	21/-	

SPECIAL BONUS.

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).

Do. 6 doz. do. 8 bottles gratis.

Do. 12 doz. do. 18 bottles gratis.

Equivalent in the case of the size in most general demand, viz., 1/6 size, to 4/6, 12/ and 27/- respectively.

SOLE PROPRIETORS—

C. R. HARKER, STAGG & MORGAN,

DEVON WHARF,

Emmott Street, Mile End, London, E.

TOILET ROLLS
NAME FREE ON 1 GROSS
SAMPLES FREE
SHOW CARDS SUPPLIED

POPULAR TOILET ROLL
18/- PER GROSS

NATIONAL TOILET ROLL
24/- PER GROSS

LOTUS CRÊPE TOILET ROLL
SOFT & STRONG
36/- PER GROSS

STANDARD TOILET ROLL
30/- PER GROSS

ST. GEORGE TOILET ROLL
36/- PER GROSS

"PINE" ANTISEPTIC ROLL
42/- PER GROSS

VEL-VEL SATIN ROLL
48/- PER GROSS

DR. RICHARDSON'S DE LUXE ROLL
63/- PER GROSS

"NORSE" DEODORANT ROLL
48/- PER GROSS

AYERTON SAUNDERS & CO. LTD.
WHOLESALE DRUGGISTS
34 HANOVER ST. LIVERPOOL.
CORRESPONDENCE INVITED

JUDSON'S Straw Hat DYE

Has NO GLOSS!

Makes an Old Hat New
at a COST OF **3d.**

All the Latest Shades
3d. and **6d.** Bottles.

DANIEL JUDSON & SON

Mack's Road, Bermondsey.



THE DAINTIEST ON THE MARKET.

Neatly Bound (not over-sewn) Edges.

Three sizes { **3d.** 8 inches square.
4½d. 10 " "
6d. 12 " "

1 Dozen in a box.

OF ALL WHOLESALE HOUSES.

SOLPORT BROS.

Manufacturers of
DRUGGISTS' SUNDRIES
& TOILET SPECIALITIES.

**188 & 190 GOSWELL ROAD,
LONDON, E.C.**

INCREASE YOUR PROFITS.

Mr. Warner Oliver's

"Warnol"
"DAILY DRESSING" for SCALP & HAIR

Is a Big Seller and pays 20% Price-Protected Profit.

An ever-ready stock (it need not be large at first) of "Warnol" means increasing profits for you. This high-class "Daily Hair Dressing" is just the thing with which to obtain new customers and improve your business.

The demand for it is increasing daily because "Warnol" gives satisfaction and your customers keep coming for it, which gives you many chances to sell them other things as well.

On each "Warnol" sale you make 20%, and this liberal profit is price-protected. This is *the* proprietary which you *should* always have on hand if you wish to continually make new customers.

Now, when the busy season is on once more, is the right time to replenish your stock, and thus have "Warnol" increase your daily profits.

YOUR WHOLESALE WILL SUPPLY

"Warnol"
"DAILY DRESSING" for SCALP & HAIR.

*As prepared from the Quintuple Formula of the leading
West End Hair Specialist, Mr. Warner Oliver.*

IN 1/- AND 2/6 SIZES.

*The Beautiful "Warnol" Photo Showcard will be sent you on request.
Drop a postcard for it to-day.*

WARNER OLIVER, Ltd., 4 Holles Street, Cavendish Square, LONDON, W.

START THE SEASON



REGISTERED
TRADE MARK.

WITH A STOCK OF FIVE BARKS.

The Success in COUGH JUBES

THEY SELL ALL OVER THE WORLD.

Mandalay, Upper Burmah, reports "They are selling fast.
Forward double quantity."

Wellington, New Zealand, says "The 28 lb. sold in 14 days.
Send me 2 cwt. by first ship."

Montreal and Vancouver also report well and send orders.

Owing to the high price of Sugar,
Gums, &c., our terms for this Season
are as follows :

4 Tins Beautifully Enamelled 9d. lb. nett.

7 ,, Coloured Label 8½d. ,, ,,

In 28 lb. lots 65/- nett.

In handsomely decorated ¼ packets 2/6
per dozen.



"TURN THEM INTO MONEY."

POTTER & CLARKE, Ltd., 60-64 Artillery Lane,
LONDON, E.

And at 24 Luna Street, Great Ancoats, MANCHESTER.

MONEY-MAKING AID FOR CHEMISTS.

**GREAT ADVERTISING CAMPAIGN (WITH WHOLE-PAGE
ADVERTISEMENTS IN LONDON DAILIES) SENDING
THOUSANDS OF CUSTOMERS TO THE CHEMISTS
FOR "KUTNOW'S POWDER."**

How are S. Kutnow & Co., Ltd., of 41 Farringdon Road, London, E.C., aiding Chemists just now?

How are they aiding you?

By spending thousands of pounds sterling on a great advertising campaign, which includes whole-page advertisements in the *Daily Mail*, *Daily Telegraph*, *Daily Express*, *Morning Leader*, *Standard*, and other great London dailies.

These advertisements are bringing crowds of customers to the chemists for 2/9 bottles of "Kutnow's Powder."

On every one of these 2/9 bottles you make a good paying protected profit.

This is how S. Kutnow & Co., Ltd., are helping you.

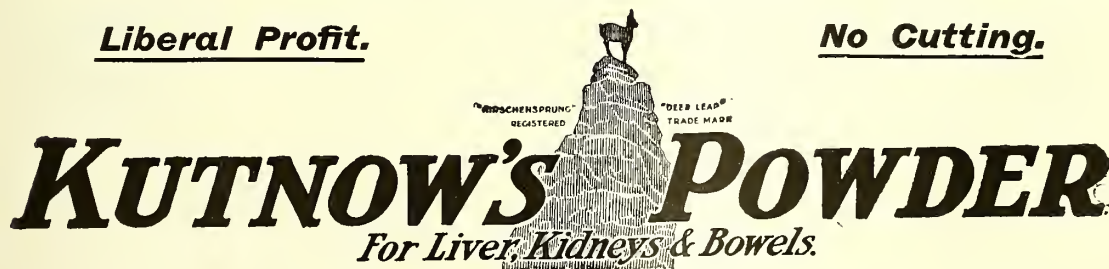
They are getting fresh customers for you. They are doing your own advertising for you. They are taking big, expensive spaces for the announcements that are increasing your sales. They are paying the bill for these advertisements and you are taking your substantial profit from every 2/9 bottle of "Kutnow's Powder" you sell.

By S. Kutnow & Co., Ltd., and the newspapers thus combining forces you are enabled to make far better sales and greater profits by selling "Kutnow's Powder" (with a liberal protected profit on each bottle) than by trying to sell something other than the article asked for as the direct result of the advertising.

This is the time when customers all want

Liberal Profit.

No Cutting.



Now is just the time then to make a special show of "Kutnow's Powder."

Your wholesaler will supply.

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THE CHEMIST & DRUGGIST

WINTER ISSUE

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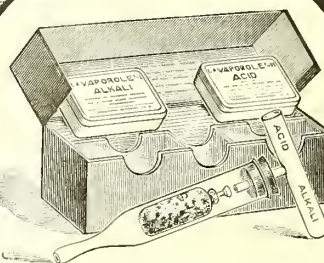
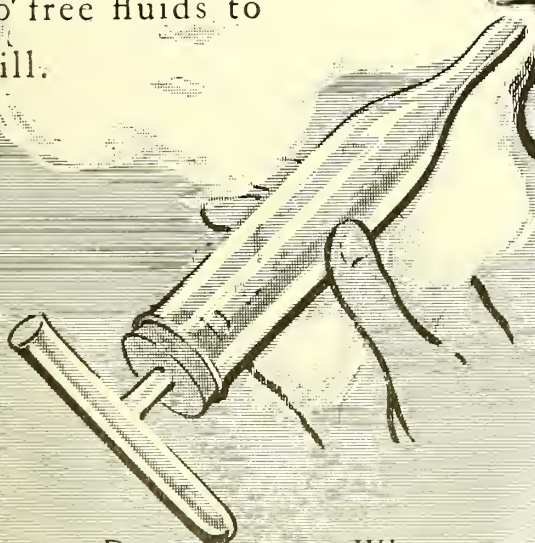
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TWO AND A HALF MILLIONS.

This represents, in pounds sterling, the increase in the export of chemicals, drugs, etc., from Great Britain for the nine months ended September 30 as compared with the corresponding period in 1909. The exact figures are:

1909	1910	1911
£12,314,652	£13,632,688	£14,857,191

The export of medicines alone is also steadily increasing, as the latest official returns show:

1909	1910	1911
£1,247,643	£1,366,023	£1,431,941

There can be no question but that

THE CHEMISTS' AND DRUGGISTS' DIARY

contributes to that increase, for it sells chemicals, drugs, medicinal preparations, toilet articles, etc., all the year round. If you have not already secured space in the advertisement section you are neglecting an opportunity of sharing in the nation's increasing prosperity. Write without further delay to the Publisher, 42 Cannon Street, London, E.C.

Summary of this Issue.

The more notable items only are dealt with.

Articles and Communications.

Some interesting new facts in medical treatment are mentioned on p. 58.

Some important new German patents for chemical products are epitomised on p. 46.

Sir William Ramsay has formulated conditions on which Socialism may be possible. See p. 51.

We learn that the Select Committee in regard to secret remedies is not to be appointed this Session (p. 50).

Mr. Lionel Cooper, President of the St. Vincent Association, is the Association President of this week (p. 51).

The All-British Shopping Week may be continued with the assistance of individual trades, which is invited on p. 62.

Java has produced 12,300,000 Amst. lb. of cinchona this year. The present position and future prospects are described on p. 48.

The study of the chemistry of colloids is at present regarded as of much importance in chemistry and pharmacy. We give notes of a lecture on the subject (p. 45).

"Xrayser II." deals with apprenticeship, the plant which was dear to the Druids, the original purpose of perfumery, and the pronunciation of drug-names (p. 47).

One of our editorial articles is on the export and import trade of the United Kingdom in September and during this year. Business in chemicals, drugs, and medicines is better than ever (p. 49).

News of the Week.

Toilet-soaps are dearer (p. 34).

France is to have a law regarding the use of the red cross (p. 36).

Chemical evidence in the Lancaster arsenic case is reported on p. 35.

The Michaelmas term law-list for the chemical and drug trades is heavy. See the cases mentioned on p. 37.

Mr. John Wade, originator of the United Society of Chemists and Druggists, died on October 3 (p. 39).

Mr. T. Scott Foster, chemist and dentist, Portsmouth (of which he is Mayor for the third time), has been knighted (p. 40).

The British Pharmaceutical Conference will meet in Edinburgh on July 29, 1912, under the presidency of Sir Edward Evans (p. 45).

For selling "Princess Head and Nerve Powders" without a patent-medicine licence a retail vendor has been fined (p. 37 and p. 50).

We report meetings of eighteen Associations connected with the drug-trade, including the annual dinner of the St. Vincent Association (pp. 51-53).

A belated report of the pharmaceutical interview with the Chancellor of the Exchequer regarding the National Insurance Bill has been published officially. For this and a report of the latest conference on the Bill see pp. 42-44.

The railway strike in Ireland is responsible for the delay in reporting the Pharmaceutical Society's annual meeting, at which Sir W. J. Baxter, the President, made an encouraging and interesting statement, and the courtesy of the Registrar was vindicated (pp. 54-56).

Trade and Market Matters.

The renewal of the lease of the Spanish quicksilver mines, and notes on the general market situation of the metal, are editorially discussed (p. 48).

The annual report of the Bandong Quinine Factory for 1910 indicates that the company had a successful year, in spite of the exceptionally low prices for the drug (p. 49).

The chemical markets show uninterrupted activity, but drugs are quiet, with values well maintained. On the higher level are carbolic-acid crystals, citrates, Cochín ginger, pareira brava, balsam tolu, casein, copaiba, soy, and menthol. Cheaper products include castor oil, cod-liver oil, crude glycerin, Canada balsam, and turpentine (p. 58).

B

ENGLISH AND WELSH NEWS.

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

Brevities.

A pheasant flew into a pharmacy at the Cross, Oswestry, on the afternoon of October 9.

Miss Dorothy Olliver, Brighton, has obtained the post of dispenser at the Chichester Dispensary.

The Portsmouth Health Committee propose to instal a plant for making electrolytic disinfecting-fluid.

The local authority has approved of plans for a house and shop to be built by Mr. Frank Thomas, chemist, in Station Road, Burry Port, Carmarthenshire.

Plans for additions to the premises at 22 Carolgate, Retford, have been presented to the local Town Council by Mr. F. G. Holoran, chemist and druggist.

The Ludlow Town Council have decided to make a presentation to Mr. G. Woodhouse, chemist and druggist, 45 Bull Ring, in recognition of his services to the borough as Mayor for several years.

Mr. Richard Sturton and Mr. David Alan Sturton, chemists, 6 Park Terrace, were among the passive resisters prosecuted at Cambridge on October 6 for non-payment of the educational portion of the poor-rate. The usual orders were made.

A picture gallery and museum are being given to Heywood, Lancashire, by Mr. Thomas Kay, chemist, of St. Peter's Gate, Stockport, who is a native of Heywood. The building is to be erected in connection with the new secondary school.

The Manchester branch of the Incorporated Society of Pharmacy and Drug-store Proprietors of Great Britain, Ltd., met at the Clarion Café, Market Street, Manchester, on October 4, Mr. Lewis (Openshaw) in the chair, when progress was reported from several parts of the country.

The Lancaster Chemists' Association are to be asked to join an Advisory Council of Delegates from the various trading and other organised bodies in the locality to confer as to the best way to promote the prosperity of the town. The Chamber of Commerce are taking the initiative in the matter.

The Pier Pavilion at Plymouth has this week been given up to beauty competitions promoted by the owners of an American proprietary "Extract." The beauties and a lecture on the uses of the extract and a cream thereof as beautifiers were sandwiched between items by the Royal Garrison Artillery band. Local chemists were supposed to assist by giving out tickets and otherwise, but the big drapers of the town made the most prominent display, and their girls are said to have been beauty prize-winners.

The City of London Guardians have decided that the whole of the dispensary work at the Board's workhouse and infirmary and the out-relief department shall be carried out by one officer. To meet the present circumstances, Miss Hunter, the dispenser at Homerton, has been appointed to perform the dispensing duties at Bartholomew Close at an addition of 50% per annum to her present salary, increasing by 5% a year to 70%. The understanding is that her present office and her additional duties shall be considered as one appointment.

Toilet-soaps Dearer.

At a representative meeting of toilet-soap manufacturers of the United Kingdom, held at the offices of the London Chamber of Commerce, it was decided that, owing to the increased cost of production and raw material, the price of toilet soaps be advanced forthwith.

Industrial Council.

The Government, after consultations between the Prime Minister and the President of the Board of Trade on the one hand, and representative employers and workmen on the other, has established an Industrial Council, representative of employers and workmen, for the purpose of considering and inquiring into matters referred to them affecting trade disputes. It is not the intention to inter-

fere with, but rather to encourage and foster, voluntary methods now in force, or likely to be adopted for the prevention of stoppages of work or for the settlement of disputes; but it is thought desirable that the operations of the Board of Trade under the Conciliation Act, 1896, should be supplemented and strengthened. The Council will not at present have any compulsory powers. The Council consists of employers and workmen—thirteen of each—and Sir G. Askwith, of the Board of Trade, has been appointed Chairman of the Council.

Sale of Food and Drugs Acts.

The Rotherham analyst finds that samples of castor oil (2) and tincture of rhubarb (1) taken last quarter were genuine.

Two samples of arrowroot and one of pepper taken in Deptford last quarter for analysis were returned as genuine.

A Pleasant Saturday Afternoon.

The employés of Messrs. Evans Sons Lescher & Webb, Ltd., Bartholomew Close, London, had a very enjoyable outing on Saturday afternoon, October 7, at Cock Fosters, Hadley Woods. The weather was not very propitious, but the party made the best of it, and successfully carried out a full programme at the Cock Hotel. The musical portion was contributed by twenty-one of the employés, and was much appreciated. Mr. O. J. Bradley presided in the absence of Mr. C. Andersen, and responded to the toast of "The Firm."

Midland Notes.

Councillor Jeffery Poole, chemist, 13 Great Hampton Street, Birmingham, has been recommended for adoption as one of the three Councillors for the Rotton Park Ward under the Greater Birmingham scheme.

With a diminution of "Minor" entrants comes a plethora of lady dispensers of "Hall" qualification. They are so numerous in Birmingham that many are not able to get posts even after advertising in the local Press for many months.

At the Worcestershire Quarter Sessions, held at Worcester, before Mr. Willis Bund, on October 10 and 11, Thomas Jones (36), labourer, for theft of soap at Bournbrook, the goods of Mr. C. T. Thonger, chemist, was sentenced to nine months' imprisonment with hard labour.

Mr. Alfred Bird's Parliamentary salary is still a thorn to the Wolverhampton authorities, the latest suggestion being its distribution among local unsectarian charities. By a little clever adroitness on the part of Sir C. Mander, the money has been returned, and all are pleased at the happy termination.

Mr. Wilfred F. Southall, Ph.C., gave, in conjunction with twenty friends clad in picturesque Eastern costume, and before a large audience at the Birmingham Town Hall, last week, a splendid lecture on "Scene and Song in Palestine." It was in aid of the funds of the Women's and Maternity Hospitals.

In recognition of the honour conferred on him by the King, a complimentary dinner to Sir Charles Mander, Bart., was given in the Town Hall, Wolverhampton, last week, the Mayor occupying the chair. Sir Charles is a member of the firm of Messrs. Mander Bros., varnish, oil, colour, and chemical manufacturers, Wolverhampton, which business had its origin in a pharmacy.

From Various Courts.

At Cranbrook (Kent) on October 5, Walter Brunger was fined 1s. and 11s. costs for selling cottonseed oil as olive oil.

At Southampton last week, Hilda Biggs and Hettie Felton were bound over on a charge of stealing goods, value 1s. 9d., from the pharmacy of Mr. Harry Jewell, chemist and druggist, Above Bar.

At Darlington on October 5, a man named Hyde was committed for trial on a charge of smashing, while drunk, several windows, including one belonging to Mr. H. Masterman, Ph.C., 64 Northgate.

At Bolton on October 10, William Samuel Hulme was fined 10s., and costs, for obtaining sums of 9d. from various persons in the town by false pretences. Accused

had falsely represented himself as an agent of Boots, Ltd., and sold as port wine a preparation containing the product of grape residuals, such as grape skins.

At Worcestershire Quarter Sessions on October 9, William Mark Lines, labourer, Hay Mills, near Birmingham, was charged with administering a noxious drug, French chalk, to his wife, so as to do her grievous harm. Evidence was given by Mr. C. C. Duncan, county analyst, and Mr. A. W. Smith, chemist and druggist, Pershore. The jury found Lines not guilty, and he was discharged.

At the Central Criminal Court, London, on October 10, William Grant Hendrie (60), described as a chemist's assistant, Clifton Street, Finsbury, E.C., pleaded guilty to a charge of maliciously publishing certain defamatory libels of and concerning Mr. Archer Mowbray Upton, solicitor, and the Society of Apothecaries (*C. & D.*, August 4, index folio 230). Sentence was deferred until October 14.

At the Mountain Ash County Court on October 10, John Owen recovered from John Williams, Morgan Davies, and G. L. Brown 10*l.* damages, and costs, for the unskilful extraction of teeth. Plaintiff went to the defendants' place. Williams extracted two of his teeth, both of which were broken off, and for five weeks afterwards he was unable to follow his employment. The defendants' premises were styled the "Aberdare and Rhondda Teeth Manufacturing Co."

The inquiry held at Dormans into the death of Margery Martin (30), chemical lecturer, was concluded on October 9 (*C. & D.*, September 16, index folio 432). Analysis showed no trace of potassium cyanide or any other poison in the body, while Dr. Poynder, in answer to a juror, said he thought inhalation of cyanide vapour would cause death if inspired for a prolonged period. The jury returned an open verdict, saying that there was insufficient evidence to say what was the cause of death.

At Lowestoft on October 9, Wm. James Woolner, Bury St. Edmunds, was committed for trial on a charge of obtaining money by false pretences from Mr. Wm. L. Sanders, chemist and druggist, 309 London Road South, Lowestoft. Accused first induced prosecutor to lend him 5*s.* until he had cashed a cheque for 5*l.*, which was shown. The loan was repaid, and several days later, at prisoner's request, Mr. Sanders cashed a cheque for 2*l.* 5*s.*, which was dishonoured. Mr. Sanders added that the 2*l.* 5*s.* had been refunded by prisoner's mother.

At Bow Street Police Court on September 11, the hearing was adjourned of a summons against Thomas English Stephens, of the National Liberal Club, for publishing defamatory libels of and concerning his son, Thomas Hubert Stephens, who, Mr. R. D. Muir stated, carries on business as a wholesale druggist in the neighbourhood of the court. Mr. Marsham, the magistrate, remarked that it was a great pity to see father and son fighting against each other, and he thought it would be much more satisfactory if some arrangement could be made.

Arsenic Case.

After two days' hearing the Lancaster County Magistrates on October 6 committed Edith Agnes Bingham (29) for trial upon the charges of causing the deaths of her father, William Hodgson Bingham (73), her half-sister, Margaret Bingham (48), and her brother James Henry Bingham (37), on dates extending from January 21 to August 12. Mr. Pearce, solicitor for the Treasury, alleged that the prisoner, while acting as cook for the family, had for various motives administered arsenical poison, in the form of Acme weed-killer solution, on their food, and caused their deaths. Twenty-four witnesses were then called, and we subjoin notes of the evidence, as far as it is of professional and trade interest.

Mr. Charles B. Marshall, chemist, 85 Penny Street, Lancaster, who stated that he had been a friend of James Bingham for many years, deposed that on August 14 he went up to the Castle with his wife and asked to see him. Prisoner came to the door and said Jimmy had been taken away by the doctors for an operation, as nothing else could save him. He asked, "What has Jimmy been having to eat?" Prisoner said a beefsteak, but it wasn't nice. Mrs. Marshall asked, "Had anybody else any of it?" Prisoner said, "There was the charwoman." His wife asked, "Had she any of it?" Prisoner then said "No," and added that

she had none herself. "Jimmy said it was not so nice." Prisoner asked if he thought there was something wrong with the house. He said there should not be anything wrong when they had lived in it so long. Witness was shown James's bedroom, and he looked at the paper and paint, and said, "There does not appear to be arsenical paper here, or paint either. Prisoner said, "James is just the same as father and Maggie."

Mr. William H. Roberts, assistant county analyst, Liverpool, detailed his discoveries of white arsenic in various organs of the three deceased, there being more than a fatal dose in each. The cause of death was arsenical poisoning. In regard to the two bodies exhumed, he analysed the earth around the coffins, and found no trace of arsenic. He had examined the Acme weed-killer used on the Castle Parade. It consisted of a strong solution of white arsenic in alkali. It contained 97 grains of white arsenic per fluid oz. Ten drops of the weed-killer would contain 2 grains, or a fatal dose, of arsenic. Much more than a fatal dose could be administered on a beefsteak without attracting attention, as it was colourless and odourless, the taste being akin to carbonated soda.—In cross-examination by Mr. Wingate Saul, he said he would not expect the alkali to be found in addition to the arsenic, as that would be absorbed by the gastric juice. As he found such a large amount of arsenic in the liver, and no evidence in the stomach of any granules of white arsenic, it pointed to the arsenic having been taken in soluble form.

Other witnesses included Mr. Francis Massey, drysalter, who supplied the weed-killer for use on the Castle Parade to Mr. W. H. Bingham, and later to Mr. J. H. Bingham. He said he had no idea it was such a dangerous poison, although it was signed for.

Mr. G. Wesley Martin, F.C.S., Lancaster, told how he analysed the vomit of James Bingham on August 13 (two days before death) at the request of Dr. McIntosh, and discovered arsenic in considerable quantities.

Dr. McIntosh informed the Court that when he found his patient going back he concluded he had had a second dose, and thought it best to remove him from the house, but he was very weak, and died next day. The *post-mortem* proved he died from acute arsenical poisoning.

The Bench found there was a *prima-facie* case on all three charges, and committed the prisoner for trial at Lancaster Assizes.

IRISH NEWS.

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

Brevities.

Mr. Samuel Bonnar (Messrs. Bonnar & Henderson, wholesale druggists, Ballymena) has presented a silver medal to the best student in the preparatory classes of the local Technical School, of which he is Chairman.

A sequel to the burglary at the premises of Mr. S. L. Cleland, pharmaceutical chemist, Duncairn Gardens, Belfast, is announced in the promotion for bravery of Police-Constable Leslie, who captured the burglars in premises adjoining.

The goodwill and recipe of Clarke's Indian Lotion, a rheumatism remedy, has been purchased from the liquidator of Messrs. John Clarke & Co., Belfast, by a syndicate, which has taken over the stock of lotion and bottles at cost price.

Two privates in the Royal Field Artillery, named Burrows and Parker, were each fined 10*s.* and costs, and 5*s.* compensation, for having maliciously broken a window on the premises of Mr. J. Johnston, Ph.C., Main Street, Monasterevan, co. Kildare, on September 23.

A postcard which was sent by Messrs. J. C. & J. Field, Ltd., Lambeth, London, S.E., on November 30, 1870, to Messrs. William Dobbin & Co., Belfast, only reached its destination last week. From the postmarks it seems that the postcard has rested forty-one years in the Belfast Post Office.

At Lurgan Board of Guardians on October 6 a further discussion took place regarding the delay in the receipt of medicines from the contractors in Dublin, owing to the railway strike. It was pointed out that as the strike is now settled, all parcels consigned to the Guardians would be delivered in due course.

Mr. T. W. Russell, who was elected Member of Parliament for North Tyrone on October 7, is Vice-President of the Department of Agriculture and Technical Instruction for Ireland. He will be remembered by chemists for the antagonistic attitude to the Pharmaceutical Society which he displayed during the passing of the Poisons and Pharmacy Act.

The Sale of Methylated Spirit.

At a meeting of the Board of Management of the Belfast Ulster Licensed Vintners' Association last week, the Secretary read a letter he had sent to the Board of Customs and Excise, directing their attention to the prevalence of methylated-spirit drinking in some parts of Ulster, also complaining of the facility with which any person could purchase it, and of the comparative purity of the article, which led to its being used for consumption. The letter recommended the addition of some preparation which would prevent methylated spirit from competing with ordinary spirits. An acknowledgment of the letter had been received. The Board of Management now directed the Secretary to draw the attention of the Board of Customs and Excise to a new regulation which has been made in Australia, directing the addition of 0.5 per cent. of coal-tar naphtha to spirit for industrial uses.

SCOTTISH NEWS.

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

Brevities.

Dr. J. W. Robertson, son of Mr. John Robertson, chemist, Arbroath, has obtained the diploma of F.R.C.S. Edin.

Mr. W. A. Ness, chemist, 328 King Street, Aberdeen, has resigned the sub-postmastership of the Urquhart Road Post Office.

Mr. John Brydon, chemist and druggist, 39 South Methven Street, Perth, has been appointed chemist under the Home Hospital Reserves.

Mr. Magnus H. Fenton, D.B.O.A., chemist-optician, Kirkcaldy, formerly of Coatbridge, has left the district to take up an appointment in Sheffield.

The honey season has been better in Scotland this year than for several years past, but Blair Atholl was visited by the Isle of Wight disease, the result being that the Marquis of Tullibardine got the Government authorities to look more closely into that trouble.

It is proposed to start a branch of the Dunfermline Co-operative Society's drug-store at Crossgates, and Mr. A. McDonald, chemist and druggist, the manager, is assisting in the matter. At a meeting of the society on October 9 it was stated that the doctors' code-system has not become easier for the drug department.

Mrs. Charlotte Sim, widow of the late Mr. James Sim, wholesale chemist, King Street, Aberdeen, died in Edinburgh, on October 3, at the age of eighty-one, having outlived her children and grandchildren. She has left all her property to form a trust for the relief of deserving shopkeepers and other indigent persons natives of Aberdeen who have been in better circumstances. It is to be called "The James Sim of Cornhill Trust." Bequests of 100l. each are also made to the Aberdeen Infirmary and Children's Hospital and Dr. Barnardo's Homes.

The Shops Bill.

At Dundee, on Thursday, October 5, Mr. Winston Churchill received a large deputation, representing a number of bodies in different parts of Scotland, on the subject of the Shops Bill. The statements made by the spokesmen were principally directed to the Sunday trading clauses, which they considered were unsuitable to the conditions there. Mr. Darling, representing the Edinburgh Merchant Company, spoke in favour of 2 o'clock as against 1 o'clock closing on the half-holiday, and pointed out the difficulty involved in fixing a particular day for the half-holiday in different districts of the same town. Mr. Churchill, in his reply, confined his remarks to the Sunday question, and

said he was disposed to exclude Scotland altogether from the Sunday clauses if that should be the opinion of a majority of Scottish representatives in Parliament.

Edinburgh.

Dr. John W. Senter, who has been appointed a non-resident house-surgeon to Dr. J. M. Farquharson, Edinburgh Infirmary, is a "Minor man."

Mr. J. Rutherford Hill, Ph.C., has stated, at the Edinburgh Band of Hope Union, that there are eighty churches in Edinburgh and district without a Band of Hope.

Messrs. Lorimer & Moyes, Ltd., druggists' sundriesmen, Glasgow, have acquired premises at St. James's Square, Edinburgh, which they are opening as a branch.

Among those who awarded prizes to successful competitors in the dog-show held last week were Jeyes' Sanitary Compounds Co., Ltd., and the Pearson Antiseptic Co., Ltd.

The recent touch of wintry weather has helped business considerably, and cod-liver oil and cough-mixtures are beginning to go. The price of the oil will be higher this year than last, and several pharmacists are charging as follows: 8-oz. bottles, 10d.; 12-oz. ditto, 1s. 2d.; and 20-oz. ditto, 1s. 10d.

In the half-yearly report of the St. Cuthbert's Co-operative Association, Ltd., Edinburgh, the net sales in five branches are given as 3,237l. 13s. 3½d., and debts transferred 3,384l. 1s. 6d., a total of 6,621l. 14s. 9½d. Wages and salaries absorbed 844l. 9s. 7d., and the balance as net profit on profit-and-loss account is (including the Lochrin Place drug department) 1,487l. 7s. 10d.

Glasgow and the West.

Mr. Martin Meldrum, Ph.C. and optician, has begun business at 7 Burns Statue Road, Ayr.

Mr. Russell, chemist, St. George's Cross, has erected a prominent sign bearing the one title "Pharmacist."

A site has now been selected in Kelvingrove Park, under the shadow of the University, for the erection of a statue to the memory of the late Lord Kelvin.

Messrs. Thos. Spears & Co., St. George's Cross, are issuing a new price-list, in which they state that their drug department is now under the charge of Mr. Walter T. Rae, chemist and druggist, who is also a director of the company.

Dr. Carl H. Browning, formerly assistant pathologist to the Western Infirmary, has been appointed University lecturer in clinical pathology and director of the new clinical research laboratory at the Western Infirmary. He has published many papers on the results of his investigations on the application of biochemical and bacteriological methods to the diagnosis and treatment of disease.

FRENCH NEWS.

(From the "C. & D." Paris Correspondent.)

THE USE OF THE GENEVA CROSS.—The Geneva Convention Act, 1911, which the C. & D. has been the means of making known, is the forerunner of similar decrees in the majority of civilised countries. The question of the prohibition of the use of the Red Cross for trade purposes has already been discussed at some recent meetings of the Paris Wholesale Druggists' Association, and manufacturers have been advised to discontinue its use. In France, the Geneva Cross has so long been used as a distinguishing mark for certain goods (cottonwool, dressings, etc.), and also in many cases as a pharmacy sign (luminous or otherwise), that the prohibition of the emblem will entail some little inconvenience and expense to many manufacturers, and even to numerous retail pharmacists. But that some regulation or Act similar to the British Act will be promulgated here sooner or later there is little doubt.

OLIVE-OIL CONGRESS.—An International Congress, organised by the Société Nationale d'Oléiculture de France, will be held at Avignon from November 14 to 17. The principal subjects to be discussed, on which papers will be read by some of the most eminent French and Italian authorities, will be on the extinction of such pests as the olive fly, the phéothrips, and other parasites which have played such havoc of late years in the olive-growing

districts, especially in France and Italy. Papers will also be read on new methods for the extraction and purification of olive oil, as well as the results of a new process of extraction of oil in the vacuum (*Système Acapuleo*), which has been carried out by Professor Mingioli of the Agricultural School of Portici, Naples, for the Italian Government. Excursions will be made to places of interest in the neighbourhood as well as visits to some of the best managed olive-estates and oil-works.

ANGLO-AMERICAN MEDICAL SOCIETY.—Last Saturday evening the annual dinner of the Continental Anglo-American Medical Society was given in the Carlton Hotel, Paris, the chair being taken by Dr. Edmund Owen, Surgeon to the French Hospital in London, who gave some interesting details concerning mineral-waters and their uses. Among the members present who will be well known to many pharmacists who have had Continental experience were Drs. A. S. Gubb, of Aix-les-Bains and Algiers; Welsford, of Rome; Brandt and De Levis, of Nice; Vale, of Vernet-les-Bains; Tribe, of Cairo; Jarvis, Leonard Robinson, Koenig, Magnin, and Douglas Hogg, of Paris. The guests included a number of distinguished French physicians and surgeons, such as Professor Albert Robin, who replied to the toast in their honour. Dr. Charles Jarvis has relinquished the duties of Hon. Secretary of the Society, and Dr. Robert Turner has been elected in his stead.

SOUTH AFRICAN NEWS.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is regularly supplied by order to all the members of the seven Societies and Association of Chemists in British South Africa, as well as to other chemists in business there.

Cape of Good Hope.

THE SUPREME COURT CASE of Martin, Elgar, Ltd., v. Frederick Stearns & Co., of Detroit, down for hearing on September 12, has been postponed.

SIR FREDERICK SMITH has again been elected Mayor of Cape Town. Lady Smith, the Mayoress, is the daughter of Mr. J. A. Mathew, of Messrs. Heynes, Mathew, Ltd.

THE AMALGAMATED CHEMISTS' CRICKET CLUB held a Cinderella dance in the Goede Trouw Hall, Cape Town, on September 11. There was a good attendance, and a most enjoyable evening was spent.

TRADE PROSPECTS.—Durban has had her season, and now Cape chemists are looking forward to theirs. The weather so far has been exceptionally stormy, but when the mail left the wet or rainy season had broken, and beautiful weather prevailed. Visitors had begun to arrive by rail and steamer. Next month should see Cape Town "getting busy" in the retail; meanwhile, the wholesale trade is more than busy with inland orders.

A MUSICAL FAMILY.—Mr. Geo. Darroll, of Messrs. A. Cleghorn & Darroll, and Acting President of the Colonial Pharmacy Board, is the head of a charming family of musicians. Madame Niay (the professional name of his wife) is probably the finest pianist in South Africa, while the daughters, Mary, Nellie, and Apolline, recently displayed fine musical talent at the annual meeting of the Y.M.C.A. The Cape University examinations pass-list for September 14 registers musical successes for these three young ladies.

Natal.

PIETERMARITZBURG CHEMISTS' ASSISTANTS' ASSOCIATION.—The annual general meeting of this Association was held on August 21, with the President (Mr. W. Cook) in the chair. The financial report showed a balance in hand of 3*l.* 7*s.* 2*d.* The election of officers resulted as follows: President, Mr. W. Cook; Vice-President, Mr. George Davidson; Committee, Messrs. A. Murray, G. Valentine, and D. Haddon; Hon. Secretary and Treasurer, Thos. H. Nott. A hearty vote of thanks was accorded the retiring office-bearers. Two new members, Messrs. Allanson and Watts, were proposed and seconded. Much regret was expressed at the loss of Mr. Horace H. Henwood, the Association's first Secretary and Treasurer, who is leaving for Rhodesia.

Transvaal.

THE TRANSVAAL CHEMISTS' ATHLETIC CLUB's second dance of the season was held at the Grand National Hotel, Johannesburg, on September 12, when about 160 people assembled and spent a very enjoyable evening. The committee consisted of Mesdames Horwich, Johnstone, King, Peddie, Sanderson, and Miss Marshall, and Messrs. A. F. Brown, W. H. Cross, H. M. Hetherington, J. Linton, J. S. Sanderson, and L. E. West, with W. J. Smith as Hon. Secretary. The D.C. was Mr. W. Easterbrook (President of the Pharmaceutical Society), and the M.C.s were Messrs. R. A. King and L. E. West.

LEGAL REPORTS.

TRADE LAW.

Hair-tonic Business.—In the City of London Court on October 5, Brooks, Peel & Co., manufacturers, 109 Bartholomew Road, Kentish Town, sought to enforce payment of 15*l.* due from Mr. W. D. Gordon, trading as the Rbel Alma Manufacturing Co., 68 Aldersgate Street, E.C., for accessories supplied for his hair-tonic business. Defendant said he had lost all his capital (800*l.*) in trying to develop a business for the sale of hair-tonic and brilliantine. He had had three years' difficulties, and had now arranged to give up his premises. The landlord had distrained. He would now try to get a situation.—Judge Lumley Smith said that having regard to the things seized, he did not think there would be much left for the plaintiffs. Plaintiffs said that defendant still had another business, but defendant replied that was not so. He carried on business in selling a brilliantine and a hair-tonic, but they were both one. The case was adjourned for a month, plaintiffs not to bring the defendant back unless they had evidence of means.

The Michaelmas Law Sittings commenced at the High Courts of Justice, London, on Thursday, October 12. In the course of the term Mr. Justice Joyce will try thirty-eight actions brought by Lever Bros., Ltd., and Benjamin Brooke & Co., Ltd., proprietors of "Lux" and "Monkey Brand" soaps, for alleged passing off against co-operative societies at Masbro, Bury, Huddersfield, Prestwich, Heckmondwike, Slaithwaite, Cleckheaton, Wakefield, Wrexham, Golcar, Birmingham, Nottingham, Derby, Borsall, Wolverhampton, Stockport, Rugby, Hyde, Gomersal, Horwich, and Preston. Mr. Justice Neville will have before him, among other cases, Saccharin Corporation, Ltd., v. Kolker. Mr. Justice Parker has Reeves & Sons, Ltd., v. Boots Cash Chemists (Lancashire), Ltd., which has been before the Court already, and is about artists' colours. Among the appeal cases are two cross actions respecting "Wincarnis" and "Carvino," and others against Mr. Justice Parker's judgment respecting the Vidal dyes patent. The National Cash Register Co., Ltd., v. Green is put down as a special-jury case, as also is Booth v. National Cash Register Co.; while Capsuloids (1909), Ltd., v. Duncan, Flockhart & Co., also to be tried by a special jury, will be of exceptional drug-trade interest. It is a contract case, and may involve expert chemical and pharmaceutical evidence should it reach the jury.

A Hertz Case.—In the City of London Court on October 10, before Judge Lumley Smith, K.C., Messrs. P. C. Burton & Co., Ltd., General Buildings, Aldwych, sought to have Mr. Jacob Hertz, trading as Hertz & Co., wholesale druggists, 9 Mincing Lane, E.C., committed for the non-payment of 22*l.* 17*s.* 1*d.* due.—Mr. F. Gooding, plaintiffs' representative, stated that the case had been adjourned for a fortnight for the defendant to be written to by the Court and told that he must attend. The Clerk of the Court reported that the defendant had been written to. Judge Lumley Smith stated that the defendant, who was not in attendance, had written from Amsterdam to say that there was another order of the Court for him to pay 3*l.* a month. Did the plaintiffs know anything about it? Mr. Gooding said he did, and he produced to the Judge a copy of THE CHEMIST AND DRUGGIST containing a reference to the case. In that case the defendant offered to pay 10*s.* a month, and was ordered to pay 2*l.* a month. He could pay more than that. In their own particular matter the defendant offered to pay 2*l.* 10*s.* and having made one payment he never paid any more. The defendant made many promises and never kept them. Judge Lumley Smith said that the defendant now offered 2*l.* a month, beginning when the other orders ran off. Mr. Gooding said that the defendant could pay more than that. He was a man of some means and could pay 3*l.* 10*s.* a month quite easily. He travelled first class to the City every day and lived in good style. The Court ordered payment of 2*l.* a month, first payment on December 1.

Medicine-stamp Acts.

SALE OF BODY-NAME MEDICINES WITHOUT A LICENCE.

At Merthyr, before Sir T. Marchant Williams, on Tuesday, October 10, John Jones, Aberfan Crescent, Aberfan, was summoned for exposing for sale medicines liable to stamp-duty without having obtained a licence. Mr. R. J. Beattie, solicitor, Customs and Excise Department, London, appeared to prosecute; Mr. J. T. Vaughan defended.

Mr. Beattie said the defendant was liable to a penalty of 20*l.* and costs. He explained that the defendant sold to an Excise officer a packet of "Princess Head and Nerve Powder."

The Stipendiary: I often have that.

Mr. Vaughan: I have several of the powders here I can give you. (Laughter.) Continuing, Mr. Beattie said that on the label outside the powder were the words "Professor Bartlett" and "If you ask for 'Princess' see that you get it; avoid all imitations."

The Stipendiary: Imitations of princesses. (Laughter.)

Mr. Beattie said that two years ago a powder was purchased from the defendant; he was asked for an explanation, and he replied that Mr. Bartlett told him the powder was not subject to medicine-stamp duty. Under the circumstances the Commissioners accepted the explanation, and told Jones he must not sell more without a licence. A large number of sales of medicine were going on in this district, and the Commissioners felt that they must put a stop to it, as it was manifestly unfair to men who carried on the sale of medicines in a legal way.

The officer having proved the purchase of the powder, Mr. Vaughan cross-examined him. He said the Excise-duty was 1½*d.*, and that the price of the powder should be 2½*d.*, and not one penny.

Mr. Vaughan said the defence was that Mr. Bartlett told the defendant that the powders were different from those sold some time ago, when similar prosecutions took place. Defendant had not sold any powders since.

The Stipendiary: What about the nervous people?

Mr. Vaughan: They are not nervous down there. They suffer from swollen heads mostly.

A fine of 10*s.*, and costs, was imposed, the Stipendiary saying that if another case was proved, he would inflict the maximum penalty.

LIMITED COMPANIES.

New Companies Registered.

The letters P.C. mean Private Company within the meaning of the Companies Act, 1907, and R.O., Registered Office.

PRADES MINERAL-WATER CO., LTD.—Capital 20,000*l.* Objects: To carry on business as indicated by the title, and to adopt an agreement with the London Joint Finance and Credit Co., Ltd., and F. Vion. The first directors are P. M. Salerni and W. C. Zawisza. R.O., 68-70 Fenchurch Street, E.C.

DREADNOUGHT DRUG CO., LTD. (P.C.)—Capital 100*l.*, in 1*l.* shares. Objects: To carry on the business of chemists, druggists, patent-medicine manufacturers, etc. The first subscribers are W. H. Barnes, 60 High Street, South Norwood, S.E., clerk, and W. H. Apperley, 143 Sandy Hill Road, Plumstead, clerk. The subscribers are to appoint the first directors. R.O., Rockingham Court, Newington Causeway, S.E.

TEFRAS SPECIALITY CO., LTD. (P.C.)—Capital 1,000*l.*, in 1*l.* shares. Objects: To take over from J. H. Morris and Mrs. E. Brown their interest in certain specialities known as "Tefras" dental cream, liver cachets, and toilet soap, to carry on the business of chemists, druggists, dysralters, etc. The first subscribers (each with one share) are Mrs. F. Holland, Horsham, Kent Road, Gravesend, and G. Hodges, Charlton-all-Saints, Salisbury, draper. R.O., 27 Edgware Road, W.

ESCOLENT COMPOUNDS, LTD. (P.C.)—Capital 10,500*l.*, in 10,000 "A" shares of 1*s.* each and 10,000 "B" shares of 1*l.* each. Objects: To take over the business of manufacturers and dealers in certain medicinal and toilet preparations, etc., carried on by Escolent Compounds, Ltd. (in liquidation), at Saracen Buildings, London, E.C. The first directors are H. C. Dodson, E. H. H. Bartlett, and P. R. Thornton. R.O., 8 Southampton Street, Bloomsbury, London, W.C.

Company News.

AERATORS, LTD.—The directors have declared an interim dividend of 3 per cent., less income-tax, on the ordinary shares for the past half-year.

BENGER'S FOOD, LTD.—The directors have declared an interim dividend of 9*d.* per share, free of income-tax, on the ordinary shares for the past half-year.

BORAX CONSOLIDATED, LTD.—The directors have declared a dividend on the preferred ordinary shares at the rate of 6 per cent. per annum, less income-tax, for the half-year ended September 30.

HENRY HODDER & CO., LTD.—The accounts for the year ended June 30 show a profit, including 28*l.* brought forward, of 2,463*l.* The directors recommend a further dividend of 4 per cent., making 6½ per cent. for the year, leaving 383*l.* to be carried forward, subject to directors' fees. Previous years' profits were 3,385*l.* in 1902, 3,123*l.* in 1906, 3,137*l.* in 1907, 2,257*l.* in 1908, and 2,217*l.* in 1909, so that last year was better than the two years immediately preceding.

Charges or Mortgages.

Under the Companies (Consolidation) Act, 1908, Section 93, the mortgages or charges therein specified are (except in Scotland) void against the liquidator and any creditor of the company unless filed with the Registrar in accordance with the conditions laid down in the Act.

Full statutory particulars of the following have been filed at Somerset House, London, W.C.

Acousticons, Ltd.—Mortgage debenture dated September 23, 1911, to secure 100*l.*, charged on the company's undertaking and property, present and future, including uncalled capital. Holder: Mrs. D. C. Mitchell, Brooklands, Coley Park Road, Reading.

Barrett & Elers, Ltd.—A memorandum of satisfaction to the extent of 1,000*l.* on July 7, 1911, and 500*l.* on September 12, 1911, of mortgage dated November 17, 1902, securing 12,000*l.* has been filed.

Storton's, Ltd.—Particulars of 300*l.* debentures, created by resolutions of September 27, 1910, and August 13, 1911, and secured by trust deed dated September 4, 1911. Property charged: The company's property, including uncalled capital (if any), and leasehold property in Grove Road, Northampton. Trustee: J. H. W. Robinson, 16 Guildhall Road, Northampton.

Valerie Joy, Ltd.—Debenture dated September 11, 1911, to secure 300*l.*, charged on the company's undertaking and property, present and future, including uncalled capital. Holder: G. Gorton, Bideford, Devon.

Westthorp's, Ltd.—A memorandum of satisfaction in full on August 31, 1911, of debentures dated April 22, 1902, securing 15,000*l.*, has been filed.

GAZETTE.

Partnerships Dissolved.

CORDER, E. and J. T., London Street, Norwich, chemists and druggists, under the style of E. and J. T. Corder.

TATE, H. W., and GAUNT, T. H., Askern, near Doncaster, veterinary-medicine manufacturers and cake merchants, under the style of Tate & Gaunt.

THORNEY, J., and RUSSELL, E., Skelton-in-Cleveland, York, medical practitioners, under the style of Thorney & Russell.

The Bankruptcy Acts, 1883 and 1890.

RECEIVING ORDER.

CRAN, JAMES, Great Hawood, near Blackburn, doctor of medicine.

ADJUDICATION.

YOUNG, WILLIAM, whose place of residence the petitioning creditors are unable to ascertain, oil importer and broker.

THE "CARRIAGE CUSTOMER" comes once in a decade in some districts. The other day, in a working-class neighbourhood, a carriage and pair stopped outside a pharmacy, and one of the occupants entered to make purchase. Before a minute had gone there was a huge crowd of youngsters gathered around the shop, and the embarrassed pharmacist, bowing his chance client out, was humiliated to hear the *gamins* set up a terrific howl of "Poor oot! Poor oot!" This peremptory demand invariably greets a Scottish bridal party, and literally is a request to distribute largesse.

BIRTHS.

CORKE.—At "Grasmere," 36 King's Road, Gosport, on October 4, the wife of H. M. Corke, pharmacist, Royal Naval Hospital, Haslar, of a son.

FOWLE.—At Albert Street, Holbeach, Lincs., on October 4, the wife of J. F. Fowle, chemist and optician, of a daughter.

FULLALOVE.—At Renfrew House, Cradock, Cape Province, on September 11, the wife of W. A. Fullalove, chemist and druggist, of a son.

STRACHAN.—At "Cartref Ni," 2 Greendykes Road, Dundee, on October 8, the wife of R. Guild Strachan, chemist and druggist, of a son.

MARRIAGES.

BEBB—CLAMP.—At St. Paul's Church, Clacton-on-Sea, on September 28, Mr. Arthur Percival Bebb, chemist and druggist, 45 Rosemary Road, Clacton, to Daisy Octavia, eighth daughter of Mrs. J. H. Clamp, of Beach House, Beach Road, Clacton.

FEATHERSTONE—EMERY.—At St. Anselm's, Balham, on October 7, Herbert Charles Featherstone to Winefride, daughter of Mr. Charles Frederick Emery, of the Chesham Manufacturing Co., Ltd., Holborn Viaduct, London, E.C.

HEY—STONIER.—At Nether Poppleton, on September 20, by the Rev. N. Storrs-Fox, M.A., Vicar of Holy Trinity, York, assisted by the Rev. J. Barrett, M.A., of Poppleton, Arthur, second son of the late Mr. W. T. Hey, chemist, York, and Mrs. Hey, of Beech Lawn, The Mount, York, to Elsie Maud, younger daughter of the late Mr. J. Stonier, of Poppleton.

PHILLIPS—MATCHAM.—At Burlington Baptist Church, Ipswich, on October 4, Owen Dudley Phillips, Felixstowe, to Ivy Muriel, daughter of Mr. Edward Matcham, chemist and druggist, 50 Westgate Street, Ipswich.

DEATHS.

CUMMING.—At Ferndale, Crewe, recently, Agnes Mary, the wife of Mr. John Cumming, chemist and druggist, 45 Victoria Street, Crewe.

DAVIES.—At 87 Whitehall Road, Handsworth, on October 6, Mr. Dan Davies, head of Messrs. Southall Bros. & Barclay's invoice office, aged thirty-seven. Mr. Davies caught a cold soon after his return from his holidays, which was followed by acute complications, and he passed away after a few days' illness. Twenty-three years ago he entered the firm's employment, and his abilities and industry earned for him quick promotion to the position which he held at his death and for many years before. He was highly esteemed by the directors, and was beloved by his colleagues on the staff, all greatly deploring his unexpected and early death. Mr. Davies leaves a wife and four children. Our Birmingham correspondent writes: "Mr. Davies was very well known to Birmingham pharmacists, for he was often at the local wholesale counter directing distribution of goods to the daily callers from retail establishments."

FISHER.—At 9 Bell Street, Reigate, on October 1, Mr. Edwin Fisher, chemist and druggist, aged seventy-two. Mr. Fisher, who had suffered from diabetes, died from an attack of pneumonia. He had carried on business at Reigate for about eight years, taking over the business of Mr. Barlow at 9 Bell Street. He was a prominent Wesleyan Churchman.

GLOVER.—At 93 Princes Avenue, Hull, on October 8, after a short illness, Mr. Arthur Sandon Glover, chemist and druggist, aged forty-nine. Mr. Glover was a native of Brigg, Lincs, and he served his apprenticeship with Mr. W. Nicholson of that town. After gaining experience in London, he started in business in Waterloo Street, Hull, in 1889, removing ten years later to Princes Avenue, where he built up a good-class suburban dispensing business. He

leaves a widow, but no children. The interment took place at Hull Western Cemetery on October 11.

HANSON.—At 44 Preston Street, Hulme, Manchester, on October 4, Mr. Joseph Hanson, chemist and druggist.

HARDING.—At Bristol, on September 28, Mr. John Alfred Harding, L.R.C.P. (Edin.), M.R.C.S. (Eng.), aged eighty-five. Mr. Harding spent his early years in Cornwall, entering business later as a chemist at Twerton, near Bath, where he had two brothers engaged in the same occupation. He moved from thence to London for the purposes of studying, and also conducted a pharmacy in Commercial Road, E. After qualifying as a medical man Dr. Harding went into practice at Sutton-in-Ashfield, Notts, and returning to London in 1878 he practised at East Finchley. He retired in 1896 to Bristol.

HITCHMAN.—At Ashfield, Station Road, Kettering, recently, Mrs. Maria Hawley Hitchman, widow of Mr. Henry Hitchman, chemist and druggist, Kettering, aged seventy-five.

HUNTRODS.—At Links House, Starbeck, Harrogate, on October 9, Mr. Leonard Huntrods, aged eighty-five. Mr. Huntrods for a number of years carried on a chemist's business at Kirkstall Road, Leeds. Mr. Walter Huntrods, Holbeck, Leeds, is his son.

JACKSON.—At 3 Manchester Square, London, W., on October 7, John Hughlings Jackson, M.D., LL.D., D.Sc., Hon. M.D. Bologna, F.R.S., Consulting Physician to the London Hospital and to the Hospital for Epilepsy and Paralysis, aged seventy-six. Dr. Hughlings Jackson was one of the greatest English authorities on the treatment of nervous diseases. He was apprenticed to a surgeon in York, simultaneously attending lectures and practice at the York Hospital Medical School. Then he came to London and studied at St. Bartholomew's Hospital, becoming in 1856 a Licentiate of the Society of Apothecaries and a member of the Royal College of Surgeons. In 1860 he became an Assistant Physician at the London Hospital, having been befriended by Sir Jonathan Hutchinson, and about the same time he was appointed Assistant Physician at the National Hospital for the Paralyzed and Epileptic. His studies on paralysis and epilepsy made him widely known, and honours were showered upon him. Of recent years he had practically retired, owing to deafness and other indications of a somewhat premature old age.

KITSON.—At Shrubbery House, Barbourne, Worcester, on October 9, Ellen Frances, widow of Mr. E. J. Kitson, chemist and druggist, formerly in business in Broad Street, Worcester, and the mother of Mr. G. Kitson, the present proprietor of the business.

LAWES-WITTEWRONGE.—At Rothamsted, Harpenden, on October 6, Sir Charles B. Lawes-Wittewronge, Bart., aged sixty-eight. Sir Charles was the son of Sir John Bennet Lawes, F.R.S., whose investigations, along with Sir Joseph Gilbert, F.R.S., in agricultural chemistry led to the foundation of the world-famed agricultural station at Rothamsted and the chemical-business of Sir John Bennet Lawes & Co., Ltd. Sir Charles was Chairman of the Lawes Agricultural Trust. He was a sculptor by profession, and in his youth was an accomplished athlete. Death followed an operation for appendicitis. Amongst those present at the funeral at Golder's Green Crematorium on October 10 were Dr. Rudolf Messel, Dr. H. E. Armstrong, F.R.S., and Dr. J. A. Voelcker.

PYEFINCH.—At his residence, College Hill, Shrewsbury, recently, Mr. John Pyefinch, chemist and druggist, aged sixty-two. Mr. Pyefinch had been in business at Mardol Head, Shrewsbury, for many years.

SHAW.—At 4 Edwardes Terrace, Kensington, on October 4, Mr. John Warmall Shaw, chemist and druggist, aged sixty-five.

TYRER.—At Hampden Road, Bristol, on September 28, Mr. Thomas F. Tyrer, chemist and druggist, aged eighty-three. Mr. Tyrer was formerly in business at West End, Westbury, Wilts.

WADE.—On October 6, Mr. John Wade, chemist and druggist, of Pimlico, London, aged eighty-one. This intimation in the "Daily Telegraph" of October 12 records

the passing of one of the most notable, but almost forgotten, figures in British pharmacy, Mr. Wade having been virtually the originator of the United Society of Chemists and Druggists, which was founded in 1861 for the protection of the interests of those chemists and druggists who were not members of the Pharmaceutical Society of Great Britain. Mr. Wade was a native of Great Yarmouth, and commenced his schooling there, but in 1841 the Skinners' Company, of London, of which his father was a member and his grandfather a Past-Master, gave him a presentation to Christ's Hospital in Newgate Street, where he remained until 1846. He was then apprenticed for six years to Charles Barron and Edward Harvey, wholesale druggists, Giltspur Street. In the evenings he prepared himself for the retail trade, and when his apprenticeship was finished he undertook the management of the retail business of Mr. Philip Jolin, an apothecary, where he remained for a year, when he purchased the business of Mr. Robert Parsons, of Pimlico, which he successfully carried on until about ten years ago, when he retired. He married in 1858 Anna Lydia, daughter of Mr. R. D. Barber, J.P., who had been a Mayor of Great Yarmouth. It was in *THE CHEMIST AND DRUGGIST* of August 15, 1860, that Mr. Wade threw out the suggestion for the formation of the United Society, and he took a very active part in its foundation and work until the passing of the Pharmacy Act, 1868, fulfilled the chief reasons for the creation of the Society. Mr. Wade's connection with this period of pharmaceutical history was told in the *C. & D.* of January 27, 1900, when his portrait and his certificate of membership of the United Society were reproduced. Mr. Wade became a member of the Pharmaceutical Society in 1875, and his passion for reform was soon manifested. It is not generally known that it was he who first proposed that women should be admitted to the membership of the Society. This he brought forward at the annual meeting in 1878, and, although defeated, he renewed the attack in 1879, when a show of hands gave him a majority of one, which was converted by a division into a majority of three against the admission of women. Mr. Robert Hampson supported Mr. Wade, and it was he who ultimately made the Council see the error of its ways. For many years before his retirement Mr. Wade had ceased to attend pharmaceutical meetings, but occasionally he contributed letters to the Correspondence Columns of *THE CHEMIST AND DRUGGIST*. Since 1900, however, he had not participated in anything pharmaceutical, and his name had disappeared from the Register of Chemists and Druggists.

WOOLLONS.—At 28 Kilburn Lane, London, W., on September 27, Mr. Charles Henry Finch Woollons, chemist and druggist, aged fifty-two. Mr. Woollons died very suddenly, while speaking to a gentleman in his shop,



MR. C. H. F. WOOLLONS.

from syncope and heart disease. He had been under medical treatment for the past two years, but had not spoken of the nature of his illness, and his death was a great shock to his family and all who knew him. Mr. Woollons studied for the Minor at Dr. Muter's School of Pharmacy, and passed the examination in April 1882. Soon after he established himself in business at Kilburn Lane, and had been successful, giving special attention to optical, photographic business, and cinematograph lanterns, latterly adding to that a phonograph department. He was the oldest tradesman in his district, and he took an active interest in public affairs, being at one time a Guardian for Chelsea. He was a staunch Conservative, and had been for several years Treasurer of the Queen's Park Habitation of the Primrose League. The funeral took place on September 30 from Mr. Woollons's residence at 47 Milman Road, Kensal Rise, to the Paddington Cemetery, and many were present to pay the last tribute of

respect to his memory. Mr. Charles Bertram Woollons, the eldest son, was the chief mourner. Mr. Woollons is survived by Mrs. Woollons and a family. The business is being carried on by Mr. C. B. Woollons.

PERSONALITIES.

Notes for this section sent to the Editor should be authenticated, and must not be in the nature of advertisements.

ALDERMAN J. R. BIRKETT, chemist and druggist, Morecambe, has finally declined to retain the Mayoralty for another year.

MR. F. JACKS, chemist and druggist, High Street, Stone, Staffs, has been appointed Treasurer of the St. Michael's Lodge of Freemasons.

MR. ALBERT GEORGE MORRIS, of Buenos Aires, is in town for a few weeks, and correspondence may be addressed to him *c/o* the *C. & D.* office.

MR. A. MILLIDGE, chemist and druggist, 47 High Street, Newport (I.W.), has been appointed treasurer of the Albany (T.I.) Lodge of Mark Masons.

MR. F. T. REYNOLDS, who has accepted the Mayoralty of Southport, is a member of the firm of Millward & Co., drysalts, of 10 Greenwood Street, Manchester.

MR. A. E. BOLSHAW, chemist and druggist, 37 White Rock, Hastings, has been elected a member of the committee of the Hastings and St. Leonards Trade Protection Society.

MR. HENRY GADD, St. David's Hill, Exeter, has been appointed a Justice to exercise the powers conferred by the Lunacy Act, 1890, and to act as a visitor of licensed houses in the city.

MR. C. T. RUTIER, who has, owing to ill-health, resigned his position as dispenser to the City of London Union, is, subject to the approval of the L.G.B., to have a superannuation of 71*l.* 18*s.* 8*d.* per annum.

MR. SAMUEL BROADBENT, chemist and druggist, and his wife celebrated their diamond wedding at 1,177 Chester Road, Stretford, Manchester, on Friday, October 6, when they were the recipients of many congratulations.

MR. HARRY W. STILES, Hon. Secretary of the Doncaster and District Association of Pharmacists, has received from his friends in the Association a case of solid silver teaspoons on the occasion of his marriage on October 11.

MR. WILLIAM GLADSTONE WICKHAM, an officer of the Commercial Intelligence Branch of the Board of Trade, has been appointed to be H.M. Trade Commissioner for New Zealand in place of the late Mr. G. H. F. Rolleston.

MR. E. E. RICHARDS has been appointed dispenser to the Ecclesall Binlow Union (Sheffield). The post is a new one, recently created. Mr. Richards has for some time past been living in retirement, but previously he was dispenser at the Jessop Hospital for Women, Sheffield, and he has also been in business in London.

COUNCILLOR EDWARD CARDWELL, J.P., chemist and druggist, who is the Mayor-elect of Lancaster, was for many years in business as Messrs. Whimpray & Cardwell, chemists, Market Street, Lancaster, to which was attached one of the principal dental surgeries in the district. Mr. Cardwell entered the Council in 1900, being defeated in 1907 by fourteen votes, and re-entering it in 1909. His popular wife will make an ideal Mayoress.

ALDERMAN LAWRENCE PRIESTLEY, Ph.C., J.P., has decided to accept the offer by the Newark Town Council of the Mayoralty of the town for the ensuing year. Mr. Priestley went to Newark some years ago on taking over an old-established pharmacy in Cantergate. He was elected a member of the Town Council in 1899, and a few months ago was appointed an Alderman. He has been Chairman of the Borough Education Committee since its formation in 1903, and as he is considerably on the sunny side of fifty his advancement in public life has been rapid.

At Buckingham Palace on Tuesday, October 10, the King conferred the honour of knighthood upon Mr. Tom Scott Foster, Mayor of Portsmouth. Mr. Scott Foster is registered as a chemist and druggist, having been in business before August 1, 1868, and he is also registered as a dentist, having been in practice before July 22, 1878. He has

devoted himself entirely to dentistry for more than twenty-five years, and in 1886 became a Licentiate in Dental Surgery of the Faculty of Physicians and Surgeons, Glasgow. The new knight is one of three brothers, all chemists, who were on the Municipal Council of Portsmouth at the same time, and two of them have been Mayors—namely, one now dead, Sir T. Scott Foster, who held the office for the third time, and Mr. Ferdinand Green Foster, who



LADY FOSTER.

SIR T. S. FOSTER.
[Photo, Russell & Son, Southsea.]

was Mayor in 1907. Sir T. Scott Foster's hospitality during the meetings of the British Pharmaceutical Conference and the British Association at Portsmouth this year will be recalled by those who had the pleasure of participating in these meetings. Mr. W. F. Wells and Sir W. Ramsay, the Presidents, are amongst the hundreds who have congratulated him.

BUSINESS CHANGES.

Notes for this section sent to the Editor should be authenticated, and must not be in the nature of advertisements.

MESSRS. LESLIES, LTD., medical-plaster manufacturers, have removed their offices to 18 Eldon Street, London, E.C.

MR. H. PANTON, chemist and druggist, has opened a pharmacy at 27 Sherwood Street, Piccadilly Circus, London, W.

MR. T. F. EGAN, chemist and druggist, has recently opened a business at 106 Northfield Avenue, West Ealing, London, W.

CLAIMS against the estate of the late Mr. A. S. Glover, chemist and druggist, Princes Avenue, Hull, should be sent in to the manager.

MR. F. CHERRY, Ph.C., ophthalmic optician, has transferred his business from 3 The Broadway, Walton-on-Thames, to the next row of shops.

BOOTS, LTD., who are opening a branch in High Street, Ashford, Kent, have presented plans of alterations to the Urban District Council.

DR. KILMER CO., the Knowlton Danderine Co., and the Stirling Remedies Co. have removed from 19 Bride Street to 10-11 Old Bailey, London, E.C.

MR. F. HUDSON, chemist and druggist, 138 Kirkgate, Wakefield, announces that he is retiring from retail business in order to devote the whole of his time to his wholesale connection.

MR. J. D. HARRIES, chemist and druggist, who for the past fifteen years has conducted business at Hamilton Terrace and Charles Street, Milford Haven, has disposed of his business to Mr. J. Howard Llewellyn, pharmacist, Newport, Salop.

TRADE NOTES.

THE AMERICAN DRUG STORES CO. (Mr. C. Brooks proprietor), 24 Orange Street, Haymarket, London, W.C., have now a telegraphic address—"Amedrusto, London"; their cable address is "Seebrooks, London."

WINCARNIS GRAND PRIX.—The superior jury of the Festival of Empire Exhibition, Crystal Palace, have awarded Messrs. Coleman & Co., Ltd., Norwich, a Grand Prix for "Wincarnis," unanimously reversing their former decision, which granted a gold medal.

"RELIABLE" RAT-POISON.—Mr. Harrison, Reading, announces a co-operative advertising scheme for chemists who take up the agency of Harrison's "Reliable" rat-poison. Further particulars than those given in the advertisement in this number can be had from Mr. Harrison.

THE BLOCK LIGHT.—This system is claimed to be the cheapest method yet evolved of using gas for illuminating purposes. Those who are not satisfied with their present system of lighting should obtain a descriptive catalogue from the Block Light Co., Ltd., 29 Milk Street, Manchester. The company illustrate the lamp in their advertisement in this issue.

"QUICKSHAVE."—The Elite Toilet Co., Chemico Works, Bradford Street, Birmingham, the proprietors of "Quickshave," a preparation for use in place of soap in shaving, are making in the advertising pages of this issue a special offer of free samples with orders for three dozen 6d. tubes. "Quickshave" shortens the time of shaving by limiting the lathering process.

APSEY'S HEAT-INTENSIFIER.—This is an apparatus made by Messrs. Bennett, Sons & Shears, Ltd., Farringdon Works, Shoe Lane, London, E.C. It raises the temperature of steam without affecting the pressure, and is suitable for use with pharmaceutical steam apparatus. An illustrated descriptive leaflet regarding it may be obtained on application to the above address.

MESSRS. THOMAS CHRISTY & CO., 4, 10, and 12 Old Swan Lane, Upper Thames Street, London, E.C., have issued circulars in which they describe some of their special winter lines and novelties. Most of these are illustrated and the prices quoted, but the firm make a point of contracts made at the commencement of the season to be delivered as the retailer requires them.

ELECTRIC GOODS.—Messrs. Ward & Goldstone, Springfield Lane, Salford, Manchester, offer a series of electric novelties such as can be handled profitably by chemists, including torches, pocket-lamps, batteries, electric-bell sets, and medical coils. Some of these are illustrated in the advertisement in this issue and some prices are quoted, while the firm offer a copy of their large novelty catalogue to those who send their name and address.

MESSRS. FAIRCHILD BROS. & FOSTER, 64-65 Holborn Viaduct, London, E.C., ask us to remind chemists throughout the United Kingdom that the Board of Customs and Excise informed them in June 1910 that "it is necessary for chemists to hold a wine-licence in order to supply 'Panopepton'; it may, however, be dispensed by chemists who have not a wine-licence as a constituent of a bona-fide prescription given by a duly qualified medical practitioner."

SELLING LINES.—A visit this week to Messrs. Barclay & Sons, Ltd., 95 Farringdon Street, London, E.C., revealed a number of novelties. An interesting article is the "Kooover" sanitary towel-holder. This is a thin, impervious indiarubber cover for holding a sanitary towel, and its use prevents the inconvenience resulting from the discharge soaking through the towel. The cushioned-edged of the "Kooover" obviates any possibility of it chafing the skin. The article, which retails at 4s., is protected on the P.A.T.A. scheme at 3s. 11d. The "Kooover" double towels retail at 2s. per packet. Handsome aluminium showcards in colours are obtainable. Mrs. Johnson's Baby Soap is an auxiliary to the well-known soothing syrup. It is a white soap, pleasantly perfumed, and the makers state that it is made from the purest fats and is neutral. It is sent out in neat buff and green boxes, containing three wrapped tablets. The soap bears a good profit to the retailer. Barclay's Digestive Tea is another profit-bearing

line well worth pushing. The proprietors appoint only one agent in each town, and supply free samples and circulars for distribution.

A POISON-JAR.—The accompanying sketch illustrates a special jar which is made by Messrs. Doulton & Co., Ltd.,



Lambeth, London, S.E. We have had numerous inquiries for just such a jar as this, "distinguishable by touch" from ordinary "greybeards," so as to conform with the regulation which all retail vendors of mineral acids have to observe in delivering these poisonous substances in liquid form to purchasers. The jar is corrugated from top to bottom, the handle also, and the latter is placed in a different position from the handles of other jars. The dark blue enamelling on the top is another striking feature about the jar. For particulars those interested should write to Messrs. Doulton.

TABLET COUNTING AND FILLING MACHINES.—There is considerable demand for a machine which counts and fills bottles or boxes of tablets or pills. Messrs. J. W. Pindar & Co., Brockley Tips, Brockley, London, S.E., are now offering machines made under Neve's patent, which give several advantages to large packers of tablets and pills. In these machines is employed a system of interchangeable plates, so that the machine can be adapted to varying numbers and sizes of pills and tablets.

"SMITH'S OF FLEET STREET."—Under this title an attractive illustrated booklet has been issued by Smith's Advertising Agency, of 100 Fleet Street, London, E.C. It is thirty-three years since this business was founded, and the booklet demonstrates something of the success attained. The production itself is an excellent advertisement, for it was printed—and well printed, too—by Smith's Printing Co. The illustrations, including portraits of principals, heads of departments, and views in and about the various offices, warehouses, and workshops, are well reproduced, and the "copy" is sufficiently "pulling" to induce readers to want to know more of the Smith method of publicity. *C. & D.* readers interested in modern advertising will receive a copy if request be made on their business note-paper.

THE IRON-OX REMEDY CO., LTD., 20 Cockspur Street, London, S.W., have some new and most attractive advertising material, which they offer to send to any retailer free on application. There are giant cartons, one 20 in. by 19 in., the other 10 in. by 9½ in., which will look effective in the window, on the floor of the shop, or elsewhere. They are printed in black-edged white letters on a red ground. The observe of the cartons is the same, but the reverse of the larger is plain, and the smaller has a picture of an old-time bullock-cart and attendants in the centre, this carton being a facsimile of the one-gross packets. Another fine display is in the form of an easel-shaped card 20 in. high, which looks like an aluminium cylindrical box, with the letters of "Iron-Ox Tablets" standing out on the top. Window-transparencies are also offered.

SPEEDING-UP PRINTING.—A run round the Whetstone Park premises of Messrs. Ford, Shapland & Co., chemists' printers, 6 Great Turnstile, High Holborn, London, E.C., shows that extensions and many alterations are in progress, mainly with a view to speeding-up work in all departments. Thus the large new lift connects all floors, while the foundry has been moved to a newly acquired addition to the works in order to make room for six new label and circular printing machines. Other new additions are machines for gumming envelopes, and another for gumming paper strips. Messrs. H. M. Heywood and H. Courtier, the two directors who accompanied our representative on his tour of inspection, said that the firm is always on the look-out for any machine that will shorten the time between receipt and delivery of order.

National Insurance Bill.

Deputations to the Chancellor of the Exchequer.

IN continuance of the policy of publicity regarding difficulties under the Bill, which have been discussed with Mr. Lloyd George, there has been published this week a White Paper containing reports of deputations received by him, viz.:

Hearts of Oak Benefit Society (May 31, 1911).
British Medical Association (June 1, 1911).
Pharmaceutical Societies, etc. (June 1, 1911).
Working Women's Societies (June 16, 1911).
National Conference of Friendly Societies (June 19, 1911).
Social Democratic Party (June 20, 1911).
Employers' Parliamentary Council (June 26, 1911).
County Councils Association and Association of Municipal Corporations (June 27, 1911).
Association of Chambers of Commerce (June 30, 1911).
Scottish Chamber of Agriculture and National Farmers' Union of England (July 4, 1911).
British Hospitals Association, etc. (July 25, 1911).
Parliamentary Committee of Irish Trades Union Congress, etc. (July 27, 1911).
Representatives of Women Workers (July 27, 1911).

We subjoin the report of the pharmaceutical deputation. It is not a full report, *e.g.*, Mr. Young spoke more effectively than represented in the abbreviated report. Although not now of first-class practical importance to the drug-trade, the report will, we feel sure, be read with interest. We reprint it with the errors of the original.

Mr. Lloyd George was accompanied by Mr. W. J. Braithwaite, Mr. R. G. Hawtrey, and Mr. J. Rowland. The deputation consisted of: Mr. J. F. Harrington, Pharmaceutical Chemist, President of the Pharmaceutical Society of Great Britain; Mr. J. R. Young, representing Lancashire and Yorkshire, past President of the Pharmaceutical Society of Great Britain; Mr. C. B. Allen, Kilburn, past Vice-President, Pharmaceutical Society of Great Britain; Mr. Edmund White, London, Member of Council, Pharmaceutical Society of Great Britain; Mr. R. Bremridge, Secretary of the Pharmaceutical Society of Great Britain; Mr. A. J. Chater, Assistant Secretary, Pharmaceutical Society of Great Britain; Mr. J. R. Hill, Assistant Secretary for Scotland, Pharmaceutical Society of Great Britain; Dr. Walsh and Mr. Watson, representatives of the Irish Pharmaceutical Society; Mr. A. Milne, representing Drug Companies Association; Mr. Wm. Johnston, representing Chemists' Defence Association; Mr. Harrington [Hampton], President of the Leicester and Leicestershire Association; and Mr. John Humphrey, Mr. Peter MacEwan, Mr. W. P. Want, pharmaceutical chemists.

Mr. Glyn-Jones, M.P., introduced the deputation as representing almost all the interests connected with the retail pharmacy.

Mr. Young: In reading your speech I was, like many other pharmacists, pleased to see you hinted at the possibility of the realisation of that which to the pharmacist has been little more than a dream, that is the separation of pharmacy from the profession of medicine. Over seventy years this Society has been established, and its ideas have all along been not only to raise the technical and scientific status, which it has done, and which I might say has been to the immense satisfaction of the medical authorities and scientific bodies, but above all things our desire was to cultivate and produce an ideal pharmacist, and I suggest that is a body to whom might very properly be entrusted the true pharmacy of dispensing all medicines. In the speech which you made, I think two years ago, you made a remark that in any great scheme of this kind a certain amount of private interests were likely to be sacrificed, and chemists, like the rest of the community, must be prepared to make those sacrifices.

Mr. Lloyd George: On the contrary, this is a Bill which ought to put in the hands of chemists an immense amount of business which is not there at the present moment.

Mr. Young: But there is no provision made by which this business would be placed in the hands of the chemists other than their being placed in the position of having to make a bargain with the friendly societies, which is clearly what you cannot expect a semi-professional body to be willing to accept.

Mr. Lloyd George: That is your position at the present moment. You have to make a bargain with your people.

Mr. Young: Exactly, but is the friendly society to bargain or is the public? I think I shall be wise now in asking you to listen to Mr. Glyn-Jones, who perhaps has the facts a little more orderly arranged.

Mr. Glyn-Jones: May I say that upon the first production of your Bill we did not rush to the hills or put on war-paint, or threaten strikes or anything of that kind? We felt we would be safe in your hands provided we had an opportunity of putting to you what our difficulties were, and when I tell you that a representative body of the friendly societies has already said that under your scheme the Manchester Unity would be in a position to set up new machinery and has stated: "It is quite possible, in this district of the Manchester Unity, for us to have a central drug-store, with local branches for the supply of the medicine at certain hours of the day. We might even go a step further, and set up a general drug-store by arrangement with the Oddfellows, Hearts of Oak, Foresters, Shepherds, and other societies, for we should thus be in possession of a wholesale warehouse, and be able to stock it with the very best drugs in the market." That has caused some alarm, not because of course the Bill provides for that. The conditions we see at present are these. About six million people who are at present treated by friendly societies do not come to the chemists. The doctor gives them the meagre medicines he does give, but they have to come to us for their cod-liver oil, malt extract, and all those things which sometimes doctors order but cannot supply under the existing state of things. Quite a large amount of the chemists' business is done in the industrial districts in which people are insured, and of course if as the outcome of this Bill the whole of the medical requirements of that class and in addition another eight million is to be done through some organisation, perhaps through the Health Committees setting up a dispensary or anything of that sort—

Mr. Lloyd George: You cannot prevent them setting up a dispensary if they put a properly qualified man there.

Mr. Glyn-Jones: No; but I notice that you have said that it was not the intention that a friendly society should make any profit out of the medical side.

Mr. Lloyd George: No.

Mr. Glyn-Jones: What we think we can show you is this, that the existing chemists are in a position to do it all, and I think we can suggest lines on which it may be done which would not be unworkable. First of all, we ask that whoever does the dispensing it must be done under the strict supervision of a qualified chemist. In practice that is so far as the general public is concerned, although not in strict law. Queerly enough, anyone can dispense, but the moment a thing is sold it must be sold by a qualified chemist. In practice, of course, whenever there is a sale of a medicine containing a poison there must be a qualified chemist, but in law there is nothing to prevent dispensing *qua* dispensing and sale being done by anybody. We do ask that in this Bill it should be quite clear the dispensing should be done under the supervision of a qualified chemist. Then, sir, if there are going to be bargains made, we ask that no agreement for this dispensary service shall be made except with a person or a corporate body entitled to carry on the business of a pharmaceutical chemist—a chemist and druggist. Until the recent Pharmacy Act of 1908, there was a difference of opinion between the individual chemist and the companies, but the new Pharmacy Act provides means whereby any company may keep a chemist's shop and do everything that the ordinary chemist may do, provided they have a qualified man in charge, and all we ask is that in any contract or agreement for doing this dispensing, agreement shall be made with people who are entitled by reason of their getting the necessary qualified men to carry on the business. Then I think we are in agreement with the medical men to this extent, that we shall be glad if the control of the medical and pharmaceutical operations are in the hands of the local Health Committees. I know that at present they can to some extent supervise the arrangements which are made by the friendly societies, but, of course, we have no right to put any view except your own. We think from a pharmaceutical point of view it would be an advantage if the Health Committees had control of this. They have already the sanatorium side and the institutional treatment.

Mr. Lloyd George: You need not press that; I am entirely with you on that.

Mr. Glyn-Jones: Then we would like some separate representation on the Insurance Commissioners, and certainly on the Advisory Committee and on the local Health Committees. Then we come to a very important thing: that is, we ask for a payment scale by schedule, and not *per capita*.

Mr. Lloyd George: I think it is a little bit premature to consider that. That is the sort of thing you must consider very carefully after the Bill is through.

Mr. Glyn-Jones: Then there is another matter. We do not go so far as, I think, some of the doctors have gone of asking for an income limit to the extent they do, but we do ask that the income limit should not be above the income-tax limit. Following the lines of what is going on in Germany, I do not think we can expect to be paid on the

same scale for the insured as we would for the general public. I think there would be a difference there. We are afraid of a sort of nationalising or socialising of the whole of the pharmacy. We may be needlessly afraid of it, but we would ask you, if you would, very carefully to consider these representations.

Mr. Lloyd George: There are only two or three salient points which we have to consider at this stage. Of course the minor points have really to be thrashed out after the Bill is through. Mr. Young rather complained that there were certain things not in the Bill. I will say to you exactly what I said to the doctors, that the less detail you get in the Bill with regard to these things the better, because what you want is first of all the provision of cash for the purpose of medical aid, and then when you get the Advisory Committee which we set up in the Bill you should consider very carefully all the details, not merely of medical attendance, but of the supply of drugs. Then you will be able to send your men to thrash the matter out with the insurance societies. You will have full opportunity of putting your case before them before we arrive at anything in the nature of a regulation. I thought that whoever came out of this thing well it was the chemist, but I find I am providing sixteen millions of money and nobody is to get it, because if I go to the doctors they say they are not getting it; if I go to the chemists they are not getting it; and if I go to the friendly societies they are worse off; and here are sixteen millions of money paid to somebody yet nobody receives it. That is the condition in which I am at the present moment. All I know is, if nobody receives it I have to part with it, and I should like to discover where it is going. I thought certainly it was going in increased pay to the doctors. I certainly thought chemists would benefit, inasmuch as for the moment in a very large number of districts in this country, I am not sure if not in the majority, the doctors dispense themselves, and the moment you separate the dispensary from the doctor, the chemist is bound to come in for his own. Then you say: "No, the friendly societies will begin to organise wholesale drug-stores, where they will put in a grocer who will sell the thing by the ounce without the slightest notion of what he is selling." Of course we cannot allow that, not merely in the interests of the chemist but in the interests of the public, because it is just as important that you should give pure drugs to the patient as that you should get a good doctor to prescribe. You get a thoroughly pure drug if you get a responsible person dealing with it. That is vital to the patient. Certainly if I have any responsibility in the matter, I shall not allow the wholesale store with men with no qualification at all to dispense drugs. That is really what you want to know. You cannot say that you can prevent a qualified chemist from selling drugs whether it is in an association or elsewhere. I mean that would be really carrying it too far; but there is a limit to the number of qualified men in this country, and I do not think the friendly societies will find it possible to organise a system of that kind in every town and village throughout the country. In fact I am sure it would not pay them. Above that, we are not going to allow the friendly societies to make a profit out of the money which we are allocating for medical benefit either to the doctors or chemists. That you may depend upon. I have not the faintest doubt as to the result of this scheme, that the chemists will enormously benefit. I am also of the same opinion about the doctors, because you would be getting a class of the population with no money now to spend upon proper medical treatment or to purchase good drugs. You will find the contribution of the employers and the contribution of the Government will enable them to set aside a sufficient sum of money for that purpose.

With regard to the scale in the schedule, that is a thing that I would rather not express any opinion upon at this stage. We have to trust to the chemist, and we do not want to offer any inducement even to the most honest trader in the country by a comprehensive fee to dilute the quality of the drugs or give inferior drugs. I should be opposed on general principles to anything in the nature of a comprehensive fee of that kind.

With regard to the Health Committees, you are very anxious that medical benefit should be out of the hands of the friendly societies and in the hands of the Health Committees. I am entirely with you there.

I think for the moment that is about all I will say. Later on, when it comes to a question of detail, of relations between the chemists, the doctors, and the scale, I shall certainly want to get your assistance and your views, and to put you in contact with the officials who will settle questions of that kind.

There is little else about medicines in the reports. The President of the Hearts of Oak Benefit Society said that the society does not give medical benefit, but the members

form medical agencies to supply that. During the National Conference interview the Chancellor was asked if the Bill would interfere with medical-aid associations, and if those societies which have buildings of their own called medical institutes, and which employ a doctor and pay him a salary and find the drugs, will still be able to carry on those institutes. He replied: They will be allowed to carry them on, and they will have an increased allowance for the purpose, and I think we shall insist in several cases upon your increasing the pay of the doctors.

The Latest Conference.

At the Treasury, Whitehall, London, S.W., on Monday, October 9, Mr. Lloyd George held a conference with representatives of the British Medical Association and of the Friendly Societies regarding aspects of the Bill in which the members of these organisations are interested. The Friendly Societies represented were the National Conference of Friendly Societies, the Ancient Order of Foresters, the Manchester United Order of Oddfellows, the Friendly Societies' Medical Alliance, the Hearts of Oak Benefit Society, and the National Deposit Society. The conference lasted from 12 noon until 2.30 p.m. and was private, it being understood that no information should be given as to the tone and tendency of the discussion. Nevertheless, the Press Association has issued a statement regarding the proceedings. From this it appears that Mr. R. W. Moffrey, President of the National Conference of Friendly Societies, was asked by the Chancellor to submit his objections to Clause 14, which, it will be recalled, is the clause which deals with the administration of medical benefit. Mr. Moffrey, it is stated, declared that

"if Clause 14 remains as at present existing members of Friendly Societies who are over sixty-five years of age and those not of that age who are chronic invalids would be debarred from medical benefit, and the societies desire an arrangement made by which they could continue to give to those members medical benefits as at present. They further asked that they should have the right to form local medical associations such as those already existing in certain towns, and they desired an assurance that the medical profession would not endeavour to ostracise the doctors engaged by such associations. The societies also asked that the member, or the insured person, in the Bill should be entitled to have the personal attendance of the doctor he desired, and not be forced to accept in certain cases the services of an assistant engaged by the doctor."

It is also stated that Dr. Smith Whittaker, on behalf of the British Medical Association, submitted their views on the points raised, and suggested that the Friendly Societies should submit in writing what they desired the medical profession to undertake. It is understood that a basis was reached on which a satisfactory settlement of the questions can be arranged.

The British Medical Association repudiates responsibility for this statement, adding that the attitude of the Association is in no way changed by the Conference, and no departure has been made from the six cardinal principles—namely:

- Free choice of doctor by the patient.
- Freedom of the doctor from Friendly Society control.
- A 2l. wage-limit for those insured.
- Adequate representation on the Health Committees.
- That a method of payment should be adopted by each Health Committee in accord with the preference of the medical profession of the district.
- Medical remuneration to be in accordance with what the profession consider adequate, having due regard to duties to be performed and other conditions of service.

Notes.

Mr. Lloyd George is to address a meeting of men only at Whitfield's Tabernacle, Tottenham Court Road, London, W.C., on Saturday afternoon, October 14.

Mr. W. S. Glyn-Jones is one of the Liberal M.P.s who have undertaken to address a series of public meetings in regard to the Bill which are to be held in various parts of the country between now and the re-assembling of Parliament.

Mr. Ramsay Macdonald, the leader of the Labour Party, stated definitely to a correspondent that the party would adopt the Bill and that no more than two or three mem-

bers of the party at the outside have expressed themselves as opposed to it. He expects that one or two amendments will be offered by the party and that they will get them.

At a meeting of the National Chamber of Trade at Oldham on October 10, Mr. T. A. Ward, manufacturing chemist, Blackburn, proposed that the Chancellor of the Exchequer should be asked to withdraw the Bill altogether. He stated that his firm had built up a good connection with medical men, but, in the event of Clause 14 passing, his business would be destroyed. Many other firms would be affected in a similar manner. He had hardly a single chemist on his books; they were all medical men, and he stood to lose his all by this measure. Mr. Ward's proposal only received two votes, and a resolution to postpone the Bill was carried. Mr. R. C. Walshaw, Ph.C., and Mr. W. Orrell, chemist, Stockport, supporting this.

Contracts.

The following tenders have been accepted by the under-mentioned local authorities:

Boston Guardians.—Mr. T. J. B. Booker for quinine at 1s. 1½d. per oz.

Bradford Corporation.—Higginbotham & Co. for the supply to the Chemical Works of five tons of muriate of ammonia at 18l. per ton, and four tons at 21l. per ton.

Brentford Guardians.—For half-yearly supplies: Middleton & Co., disinfectants, 97l. 11s. 2d.; York Mineral-water Co., mineral-waters, 30l. 17s. 2d.; Messrs. Platt, meat-extract, 275l. 14s. 9d.

Camberwell Guardians.—P. B. Cow & Co., indiarubberbeds at 4s. 4d. per lb.; W. H. Bailey & Son for trusses (single inguinal, 2s. 9d.; double, 4s.; single scrotal, 5s.; double, 8s. 6d.); cotton elastic stockings, 3s.; and knee-caps, 2s. 6d.

Chesterton Rural Council.—R. M. Meden & Sons, for disinfectants.

East Dereham Urban Council.—Mr. J. S. Dent, East Dereham, appointed chemist for six months.

Helston Guardians.—Mr. C. Wakeham, chemist, Helston, for the supply of drugs.

Hereford Town Council.—Mr. Lewis Smith, Hereford, for the supply of drugs during the ensuing half-year.

Lambeth Guardians.—The value of the contracts given in our last week's issue was: Baiss Bros. & Stevenson, Ltd. (drugs, etc.), 454l. 9s. 10½d., less 31½ per cent. discount off certain articles; and Maw, Son & Sons (druggists' sundries), 265l. 10s. 10d.

Leatherhead Urban District Council.—United Alkali Co., Middleton Bros., Pryke & Palmer, Sanitas Co., Burt, Boulton & Haywood, Ltd., and S. Mould, Ltd., for disinfectants.

Lichfield Guardians.—Davies, Sons & Co., of Derby, for drugs.

Ludlow Guardians.—G. Woodhouse & Son, chemists, Ludlow, cod-liver oil, crushed linseed, and carbolic-soap; Mr. W. J. Brown, Ph.C., Ludlow, for cod-liver emulsion and quinine.

Metropolitan Asylums Board.—Fussell & Co., Ltd., for three months' supply of unsweetened condensed-milk; P. B. Cow & Co. for a bulk supply of waterproof-sheets.

Metropolitan Water Board.—J. Spencer & Co. for 10 tons of sulphate of alumina at 3l. 3s. 6d. per ton.

Prescot Guardians.—G. Stringfellow, Ltd., St. Helens, Evans Son Lescher & Webb, Ltd., Liverpool, and Quibell Bros., Ltd., Newark, for disinfectants.

Retford Guardians.—Mr. T. E. Pask, chemist, for drug supply.

Runcorn Guardians.—Mr. J. H. Weston, chemist, Runcorn, dysaltery.

Worcester Guardians.—Mr. A. J. R. Swanson appointed chemist for the St. John's district; E. J. Kitson, Ltd., for the North district; and Mr. F. G. Acton for the South district.

The "Medical Officer" for September 30 contains the following statement: "The hardship of having to supply medicines at their own expense, which is so sorely felt by Poor-law medical officers throughout the country, outside the large towns, shows some signs of improvement. In spite of many memorials, the Local Government Board has up to the present made no attempt to extend to the country generally the provisions of the Metropolitan Dispensaries Order. Nevertheless, reform in this direction is gradually taking place. Recently, the Yarmouth Board of Guardians has made arrangements with a local chemist to supply necessary medicines throughout the Gorleston, Southtown, and Cobholm districts. This is a move in the right direction."

British Pharmaceutical Conference.

A MEETING of the Executive was held at 17 Bloomsbury Square, London, on Wednesday, October 4, at 5 P.M., Sir Edward Evans (President) in the chair. There were also present Mr. J. C. Umney (Treasurer), Messrs. C. B. Allen, H. G. Greenish, E. M. Holmes, T. H. W. Idris, C. Symes, T. Tyrer, and Ed. White (Vice-Presidents), E. S. Peck and H. Finnmere (Hon. General Secretaries), R. R. Bennett, F. W. Gamble, E. F. Harrison, and T. Stephenson. Apologies for absence were received from Messrs. Peter Boa, F. W. Branson, J. Laidlaw Ewing, H. W. Gadd, J. P. Gilmour, J. R. Hill, D. Lloyd Howard, N. H. Martin, W. A. H. Naylor, F. Ransom, and W. F. Wells.

EDINBURGH HEADQUARTERS.

A letter was read from the Secretary of the Pharmaceutical Society of Great Britain offering the use of the Society's premises in Edinburgh for the meeting of the Conference in 1912. General appreciation was expressed, and the Chairman asked Mr. C. B. Allen, President of the Pharmaceutical Society, to convey the thanks of the Conference to his colleagues on the Council for their courteous action.

DIABETIC FOODS.

Mr. F. W. Gamble proposed, and Mr. J. C. Umney seconded, that the results of the analyses of diabetic foods in the paper read at the recent meeting of the Conference should be communicated to the British Medical Association. After some discussion, in which it was pointed out that the results of the analyses were of such striking interest that the attention of the medical authorities should be drawn to the matter, the motion was agreed to.

PROPRIETARY REMEDIES.

Mr. E. F. Harrison brought up the question of the resolution passed by the Conference on Secret and Proprietary Medicines, and urged that, in view of the undoubted quackery associated with some proprietary medicines in the market, it is necessary for pharmacists to dissociate themselves from the latter and to show that they would welcome full inquiry. After considerable discussion it was agreed that the question be placed upon the agenda for the next Executive meeting.

COMMITTEES.

A Research Sub-Committee was appointed, to consist of the following members: The President, and Messrs. R. R. Bennett, F. W. Gamble, E. F. Harrison, C. A. Hill, E. M. Holmes, W. A. H. Naylor, and H. Finnmere. It was decided that, in addition to the existing functions of this sub-committee, all questions arising as to the "Year-book of Pharmacy" be referred to it.

The Practice Section Sub-Committee was appointed, to consist of the following members: The President, and Messrs. R. R. Bennett, H. Finnmere, F. W. Gamble, E. F. Harrison, E. S. Peck, and J. C. Umney.

NEXT YEAR'S MEETINGS.

Mr. T. Stephenson reported that the local committee at Edinburgh held a preliminary meeting, and had decided to recommend to the Executive Committee that the Conference be held on July 29, 1912. This date was agreed to, and Mr. Stephenson was thanked for attending and placing before the committee a rough outline of the suggested arrangements.

A letter was read from Professor Remington regarding the International Congress of Applied Chemistry to be held in Washington, inviting delegates and scientific papers for the Pharmaceutical Chemistry Section. It was decided to bring the letter up again at the next Executive meeting.

MEMBERSHIP.

The following new members were elected: C. F. Carr, Nottingham; F. J. Flatman, Hove; T. Freeman, Nottingham; F. Naylor, London; and P. F. Rowsell, Exeter.

MARACAIBO CINCHONA.—The exports from Maracaibo during 1910 amounted to 23,695 kilos., valued at 514*l.*, against 12,913 kilos., valued at 281*l.*, in 1909.

Colloidal Chemistry.

GERMAN scientific papers have drawn attention to the course of lectures at the Sir John Cass Institute, Jewry Street, Aldgate, London, E.C., by Dr. E. Hatschek (the expert in filtration) as unique. Nowhere else is there such a course, and Dr. E. Divers, F.R.S., has truly described it as "going one better than the German institutions." Dr. Rudolf Messel, President of the Society of Chemical Industry, took the chair at the opening lecture on Friday evening, October 6, and was supported, among others, by Dr. E. Divers, Mr. Thomas Tyrer, Dr. Chas. A. Keane (Principal of the Institute), the Rev. J. F. Marr (Vicar of St. Botolph's and Chairman of the Institute), Dr. Robertson (head of the Research Department, Woolwich Arsenal), and Mr. G. T. Holloway.

Dr. Messel, in introducing the lecturer, reminded the audience that Graham was the father of colloidal chemistry, as an old yet very up-to-date book—published in memoriam, so to say, of Graham, by and at the expense of Young, of Scots shale-oil fame—conclusively proved. He congratulated the Institute upon its enterprise in this course, and upon the admirable choice of a lecturer. Dr. Messel has remarked that were the aniline-industry opportunity to arise now, as in the 'sixties, in his opinion British chemists would be equal to the occasion.

Dr. Hatschek reminded his audience that colloidal phenomena had been noticed very early. As far back as 1790 Berzelius prepared solutions of silicic acid, and the researches of Thomas Graham were classic. In 1850 Faraday obtained colloidal gold by reducing solution of auric chloride by phosphorus dissolved in ether. Two classes of substances exist—colloids, such as gelatin, agar, and albumen, and crystalloids such as salt; but given conditions which are being more and more understood there is no real distinction between them. Most of the metals, sulphides, and hydroxides have been obtained as colloids, and even common salt has quite recently been obtained in a colloidal state dissolved in ether. Colloids have one peculiarity: that of taking dissolved substances out of solution and retaining them with remarkable tenacity. A familiar instance is the selective absorption of iodine by seaweed. Ruby glass is a colloidal solid solution in which gold is in colloidal solution. The blue colour of rock crystal occasionally found native is due to metallic sodium in colloidal form. A further instance is silver chloride in the solid crystalline state containing dissolved colloidal silver. Colloidal chemistry is of immense importance in agriculture, as by it are explicable many vital phenomena, such as the absorption of potassium salts and phosphoric acid. The tanning of hides for leather is without doubt a colloidal process. The caoutchouc industry has to deal intimately with a typical colloid, as the latex, before and after coagulation, is colloidal. The process of vulcanising is colloidal, since it can be demonstrated that whether little or much sulphur is employed, free sulphur is always detected on completion of the process. In photography the preparation of emulsions for plates and papers depends on the precipitation of colloidal iodide and chloride of silver. In printing-out, if the exposure be prolonged and the subsequent development be made with developers in varying dilutions, a marvellous range of colour is obtained—from sepia to terra-cotta. In dyeing, since fibres are, as a rule, colloids, the study is important; so in brewing.

Colloids are of increasing use in pharmacy where metallo-organic solutions are required. If silver is used as nitrate, the effect of the NO₃ ion is produced as well as the Ag ion, in many cases undesirable, but by using colloidal silver solution this is obviated. In the preparation of metallic filaments for electric lighting colloidal solutions of the metals are of the greatest use, and very recent developments involving their use have greatly simplified the problems. Even the alkali-metals have been obtained in colloidal solution in iso-propyl-alcohol. In sewage purification more or less pure colloids have been successfully employed as absorption compounds. Their behaviour is analogous to the use of isinglass for the clarification of liquids. The possibilities of colloidal chemistry are very

manifold, and an unexplained but unexplored field lies before chemists.

At the close of the lecture an experimental demonstration of the properties and methods of preparation of some colloidal solutions was given, the ultra-microscope also being used in illustration.

A cordial vote of thanks to Dr. Messel was proposed by Mr. Marr, and seconded by Dr. E. Divers, who congratulated the Governors of the Institute on the important work they are doing in giving the opportunity for the study of important branches of science which are so intimately associated with the development and progress of industries.

Dr. Messel acknowledged the vote.

The course is to extend over ten lectures, on Friday evenings from 7 to 8.30 P.M., and the fee is 5s. the course. The syllabus shows that the lectures will be of distinct value to those engaged in practical pharmacy, either on a large or small scale.

SCIENTIFIC PROGRESS.

Temperatures under this heading are on the Centigrade scale.

Detection of Thujone in Liqueurs.—Enz ("Chemiker Zeitung," 1911, 114, 479) states that the usual test for thujone (the red colour developed with nitroprusside of soda, caustic alkali, and acetic acid) is untrustworthy in the sense that many aldehydes and ketones yield it. In order to render it trustworthy, he recommends the following method of separation: The sample is first heated under a reflux condenser for half an hour with aniline phosphate, which destroys most of the lower aldehydes, etc. After dilution with water so that the alcohol strength is about 30 per cent. by volume, the liquid is slowly distilled, and from 500 c.c. fractions of 25 c.c. collected. Acetic aldehyde will be found in fractions 1 to 3, thujone in 6 and 7, and aniseed and fennel oils in the last few fractions.

New Remedies.—The benzoic ester of ethylene-glycol, $C_6H_5CO_2-CH_2-CH_2-OH$, has been experimented with in various cases of skin-trouble, including such diseases as mange in dogs, with considerable success ("Pharm. Post," 1911, 776). It is a crystalline body with an aromatic odour, melting at 46° and boiling at 165° under 12 mm. pressure. It is freely soluble in the usual organic solvents, fairly so in water, and to a small extent in fatty oils. *Aponal* is an amylene carbonate, prepared by the action of hydrochloride of urea on amylene hydrate. It is, strictly speaking, the carbamate of tertiary amyl alcohol, of the formula $NH_2.CO.O.C(CH_3)_2(C_2H_5)$. It is a rapidly active hypnotic, inducing a calm, light sleep, and is without any after ill-effects as a sedative. Under the name *Kalmopyrin*, calcium acetyl-salicylate has been put on the market as a new antipyretic. Its principal advantage over acetyl-salicylic acid appears to be its solubility.

New Patents.—A patent has been granted in Germany (D.R.P. 237211) for the preparation of acridyl derivatives of salicyl-salicylic acid. When, for example, 180 grams of aceto-salicylic acid is dissolved in 150 grams of pyridine, and allowed to stand at ordinary temperature for twenty-four hours, reaction takes place. The reaction products are dissolved in ether or benzol, and the remaining pyridine extracted with dilute sulphuric acid. The liquid is then extracted with solution of sodium bicarbonate. By acidifying the alkaline liquid a mixture of aceto-salicylic and aceto-salicylo-salicylic acids is obtained. The former is removed by digestion with hot water, and the pure aceto-salicylo-salicylic acid resulting melts at 158° . A patent (D.R.P. 237787) has also been granted for the preparation of therapeutically active mercury salts of para-amino phenyl-arsenic acid, by the direct interaction of the free acid with mercuric oxide. The resulting mercury-arsenic compound is claimed to possess a very high medicinal activity. Hordenine is said to possess a remarkable action in cholera cases, diarrhoea, etc., and to be free from toxic properties. It has now been prepared synthetically, and bids fair to become a largely employed remedy. A patent has been granted to Bayer & Co., of Elberfeld (D.R.P. 233069), for its preparation in the following manner: Para-oxyphenyl-ethylamine is methylated by means of methyl iodide, in the presence of alcohol and sodium. The resulting compound is *p*-oxyphenyl-dimethyl-ethylamine iodomethylate, which crystallises from alcoholic solution. This is distilled *in vacuo*, when *p*-oxyphenyl-dimethyl-ethylamine results. This is identical with hordenine, and is transferred into the hydrochloride by means of hydrochloric acid, and crystallised from dilute hydrochloric acid.



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C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London, E.C.
Telegraphic Address: "CHEMICUS LONDON."
Telephone No.: BANK 852 (two lines).

INFORMATION WANTED.

We would be obliged if any reader would inform us by post-card or telephone who are the makers or agents of the articles mentioned in the following inquiries received since our last issue:

- 188/361. "Kascoids."
- 187/51. Ward's fistula-salve.
- 176/61. Tubogena methane.
- 174/22. "Primal" hair-dye.
- 188/360. Russell's Lung Tonic.
- 173/23. "Haydokeshe feet-resters."
- 182/53. "Mother's Help" soothers.
- 181/23. Abbott's vaccination-shields.
- 177/47. "Sagolina," or "Sugolina."
- 185/57. "Ridgeway's Sanitary Fluid."
- 181/18. "Jackite" for stable walls, etc.
- 178/3. "Peerless" blackhead expressors.
- 183/63. "Faucon" brand cream of tartar.
- 179/40. "Thermotof": makers or suppliers.
- 188/36. Doctor Sutton's Rheumatic Remedy.
- 187/51. "Mercolised wax" for the complexion.
- 184/35. "Economic" gas-light postcards: supply.
- 188/20. "Pellischia" thermometers ($\frac{1}{2}$ min. and 1 min.).
- 182/1. "Claraque Silver Powder" (plate-powder): makers.
- 177/50. Tooth combs, white, marked "Effective super-fine, non-inflammable."
- 189/29. Makers of disinfectant-balls of permanganate of potash for water-cisterns.

INFORMATION SUPPLIED.

During the past week we have answered inquiries as to where the following articles can be obtained, and in many cases we have given the actual makers. The information will be repeated to any other inquirers who send to this Department a stamped and addressed envelope for the purpose.

- Anti-corrosive paints (Belgian inquiry) (183/53).
- "Autotherm" flask (181/38).
- Barton's "Ayr-Okos" inhalers (182/44 and 183/18).
- Borax (laundry) (210/24).
- Buccosperin capsules (186/59).
- Carbo-Naphtholeum (183/21).
- "Carbotron" stoves (185/53).
- Carr's patent laboratory-mill (179/9).
- Casein combinations (187/15).
- Cattle-feeding treacle (177/45).
- Chloro-Naphtholeum (183/34).
- Chlorophyll - colouring (183/64).
- "Clock" labels (181/380).
- Conkey's roup-cure (179/37).
- Cresalol (186/33).
- "Crown" brand starch (184/33).
- Crystallolose (181/26).
- Delphinine (186/28).
- Des Vages Mexican corn-cure (185/57).
- Dralle's concentrated perfumes (187/37).
- "Drummer" brand kolawine (186/69).
- Ectodyne (182/420).
- "Eversafe" soothers (185/570).
- 4711 Eau de Cologne (importers) (182/66).
- Fisher's Compound Black-currant Elixir (185/34).
- "Four Oaks" syringe and spray (186/19).
- Fripp's olive-oil soap (176/69).
- "Gnom" sterilisers (181/23).
- "Junora" (182/35).
- Kenneth Wilson's shampoo-preparations (186/200).
- Laundry starch (210/241).
- Lecithoids (187/56).
- Ligroine (186/29).
- "Mikado" toilet-paper (182/33).
- Mottled soap (wholesale quantities) (210/240).
- Ointment-mixer (hand-power) (179/900).
- "One-Day" cold-cure (175/48).
- Ongoline (181/690).
- Parker Pray's Preparations (181/69).
- "Perfect" feeder (187/42).
- Perfume-blending (special) (184/61).
- Petrosulphol (187/22).
- Pituitarine (182/42).
- Prunelline (185/5).
- Reuter's pills (181/2).
- Rosaline (181/691).
- Stoneware poison-jars, etc. (177/23).
- Straw-hat cleaners (182/53).
- Thaolaxine (182/34).
- Tins for disinfecting-fluids (180/18).
- Tinfoil caps (Natal inquiry) (183/71).
- "Tinted" cardboard (185/67).
- Treacher & Co.'s London agents (181/200).
- Vano - Naphtholeum (183/210).
- Zincoprvin (123/23 and 247/65).

OBSERVATIONS & REFLECTIONS.

By Xrayser II.

Real Apprenticeship,

said Dr. Macdonald Brown in his speech at the opening of the session of the School of Pharmacy, can never be effectively superseded by a college course of pharmacy. This is a fact I have insisted upon, perhaps *ad nauseam*, in these columns. Apprenticeship itself, I am afraid, is not so good a training in pharmacy as it was forty or fifty years ago, for the pharmacist nowadays makes comparatively few of the preparations in which he deals, and he does a great deal less dispensing than he then did. Personally I am inclined to date the decline in practical pharmacy from the disappearance of the white apron, though I will not say which, if either, was cause and which effect. In my time the apron was, in country towns at any rate, *de rigueur* for apprentices and dispensers, and even at the front counter it was very commonly worn. In London it was not quite so much in evidence. My own governor, in a fashionable suburb, would have none of it, much to my regret, for it was most useful; and I well remember the delight with which I first saw the long double row of white-aproned young men in John Bell & Co.'s old shop in Oxford Street. I suspect that snobbery had something to do with its disappearance, but it is not so much needed now as it was then, though it might still be useful, I suppose, at times. It has, however, quite gone, and apprentices appear to be going after it. I will say nothing of pharmacy, but Dr. Brown seemed to hint that it was going too, or at least retreating into the wholesale houses. Other times, other manners; but my experience of school-taught young men is that they are usually ignorant of a good many things necessary to be known in the shop.

"The Plant which was so Dear

to the Druids of ancient Gaul," and to which M. Léger referred in these terms in his speech acknowledging the award of the Hanbury medal, has been variously identified. Lyte thought it was hedge-hyssop; Gerard's editor, Johnson, took it to be club-moss (*lycopodium*); and several other suggestions have been made. Johnson's is, however, generally accepted, and one variety of *lycopodium* bears the name of *L. selago*, *selago* being the name Pliny gives to the "Golden Herb" of the Druids. This, then, is, I presume, the plant M. Léger had in mind. It plays a somewhat humble part in pharmacy now, but anciently it was held in great esteem and extraordinary reverence. It was gathered as by stealth, without the use of iron. The person who gathered it, after a sacrifice of bread and wine, went clad in white, with bare and newly washed feet, and pulled up the herb with his right hand thrust through the left sleeve of his tunic, carrying it away afterwards in a cloth never before used. Mr. Reade, in his work on the Druids ("The Veil of Isis," referred to by Folkard), gives us other

Curious Particulars.

The gatherer must be a naked virgin, the emblem of the moon in a clear sky; if her foot touched the herb she would fall asleep, when she would hear the language of animals; if iron were used the sky would darken with clouds ominous of war and disaster; but a brazen hook might be employed if necessary, the proper way being, however, to uproot the plant with the little finger, the symbol of the crescent moon. *Selago* was held by the Druids to be good for all diseases, especially for those of the eye, for which it is said to be still used in Cornwall. It is gathered, says Folkard, only on the third day of the moon, then seen for the first time, and the knife that is used must first be shown to the moon while this charm is being repeated:

"As Christ healed the issue of blood,
Do thou cut what thou cuttest for good."

A decoction of the moss in water from the nearest spring is used as a fomentation. Our more strictly pharmaceutical uses of *lycopodium* are sadly prosaic in comparison with this relic of druidic custom—if such it is.

The Original Purpose of Perfumery

was, I fancy, rather more sanitary than is implied in what the writer in "The Times" says. The substances earliest in use as perfumes, such as myrrh, storax, opobalsamum, ladanum, and the like, seem to point in this direction, as do also the modes in which they were used, the ointments and fumigations of which we read in the Old Testament. No doubt it was in ancient times, and still is in Eastern countries, more markedly easier than with us to be scented than to be clean, and people everywhere are apt to take the line of least resistance, but to put the misuse of perfume first is surely to reverse the historical order. And although the natural smell of the body is stronger in hot climates than with us, and thus suggests the use of perfumes, this is not uncleanness. As a matter of fact, perfumes were and are used in the East as part of the cleansing process, as antiseptics and detergents. Queen Esther, we are told, spent twelve months in purifying herself with oil of myrrh and sweet odours, and Judith after her bath anointed herself with sweet ointment. These are typical cases, and although they are not very early ones, they mark the survival of primitive and universal custom. Many savages to-day use

Ointments and Perfumes

in much the same fashion, partly because they like strong scents, and partly because to rub themselves with oil conduces to a healthy skin. In early times, too, there was another intention. Perfumery had a magical and a religious value; we see the latter fact in the use of incense, the former in a great many customs. In the Book of Tobit, for instance, fumigation is used as a demonifuge, and many perfumes, as Bacon and Burton record, were supposed to act as love-philters: Bacon adds that they are said to procure pleasant and prophetic dreams. Here are reasons enough for their use which would appeal especially to primitive peoples, and some of which have not yet lost their force. Our satirists, of course, take the same line on the subject as "The Times." Ben Jonson, Marston, Swift (dirtiest of poets), not to mention others, have sung this misuse of powders and perfumes. Perhaps Herrick excels them all in point of directness:

"You say y' are sweet; how sho'd we know
Whether that you be sweet or no?
From powders and perfumes keep free,
Then we shall smell how sweet you be."

The Pronunciation of Drug-names

presents little difficulty, provided we follow the well-known rules of accent. For example, it is one of the most elementary facts of Greek accent that in compound words the accent is thrown back as far as possible towards the beginning of the word, and the same thing happens in Latin. Moreover, I venture to think that in simple words of five syllables the penultimate syllable will rarely be found to be accented, but always the antepenultimate, this for the sake of euphony. To pronounce the Greek name for logwood as *hæmatoxy'lon* sins against the general rule and against euphony, but it also errs in that it makes a short syllable long. The accent cannot be placed on the second last syllable without giving it the long sound, which is quite a mistake. There is much confusion among tyros in Greek as to the relation between accent and quantity. There is really no relation at all; the accent depends not on the length of the syllable, but on its position in the word or in the sentence, for the position of the word in the sentence may, and very often does, affect the accent—that is, a word standing alone has the accent on a certain syllable, but in a sentence the accent may be placed on another syllable. My view is that the common pronunciation of *hæmato'xylum* is correct. I agree, however, that *trajacanth* is a solecism for which there is no excuse.

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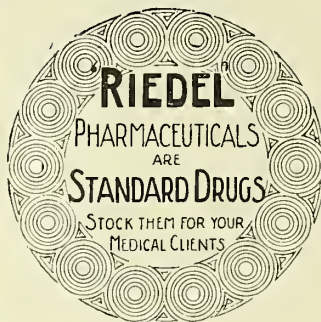
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Editorial Articles.

Quicksilver.

THE recent weakening tendency of this metal is perhaps more apparent than real, and is possibly not altogether unconnected with the progress of the negotiations in regard to the renewal of the contract for the working of the Almaden quicksilver mines in Spain—the largest world's producers. This contract with the Spanish Government, which was again secured over ten years ago by Messrs. Rothschild, who have been for several decades prominently identified with the industry, apparently expires this month, and the Spanish Government have adopted the usual procedure recently to invite fresh tenders for a new contract for the lease of the Almaden mines for a further decade. Although no official advice has yet been made as to the result of these tenders, there is but little doubt that the new contract has been or will be secured by the prominent firm mentioned above. In the interim, it is not surprising that the market for the product has been somewhat unsettled. So far as can be ascertained, no official quotation has been actually issued for a few weeks past by the controlling firm, who were apparently not open to deal except on certain terms, so that the price quoted recently of 8l. 12s. 6d., which was lowered last week to 8l. 10s. per bottle, was probably more indicative of the

business transacted with outsiders, although second-hand parcels could be secured down to £. 7s. per bottle. The first-hand price is now about 1l. 12s. 6d. per bottle under the highest figure seen this year, when the export demand was exceptionally active, and dealers were short, but the market is very uncertain.

The progress of the world's production has been very irregular of late years, as may be gathered from the following returns for the last ten years, as compiled by the "Frankfurter Metallgesellschaft":

	California	Texas	Other U.S.	Spain	Austro-Hungary	Italy	Russia	Mexico	Total Metric tons
1901 ...	925	102	—	754	567	278	363	128	3,100
1902 ...	1,005	185	—	1,425	563	270	416	191	4,100
1903 ...	1,058	175	—	958	575	313	362	182	3,600
1904 ...	1,015	185	—	1,130	570	357	332	190	3,800
1905 ...	837	170	26	853	571	369	318	190	3,300
1906 ...	663	153	43	1,667	577	418	210	200	2,700
1907 ...	596	102	14	1,212	567	423	130	200	3,200
1908 ...	577	81	13	1,065	630	680	49	200	3,300
1909 ...	552	133	28	1,000	609	771	7	200	3,300
1910 ...	578	122	31	1,000	694	800	4	200	3,400
Total 10 years	7,806	1,408	165	10,974	5,902	4,679	2,191	1,887	34,800

It will be seen that the output for last year is but little under the average for the last decade, which was 3,480 metric tons, so far as these figures—which for late years are partly based on estimates—can be relied upon. Although Spain is still by far the largest world's producer, her output has shrunk by fully one-third from the record reached in 1906. Whereas Russia's production has of late years dwindled to vanishing-point, there has been a steady increase in the output of both Italy and Austro-Hungary, whose combined production for 1910 was approximately 50 per cent. more than that of Spain. California's output, which for 1901 to 1904 inclusive was about equal to that of Spain, has since gradually fallen off by about 50 per cent., which tends to explain the fact that the United States exports have rapidly diminished since 1904, and practically ceased last year. The production of Mexico has remained stationary for years past at about 200 metric tons, of which comparatively little is exported to this side. The Mexican exports for the twelve months ended June 30, 1910, were 103 metric tons, valued at 30,500l., of which 84 tons, valued at 25,900l., were shipped to Great Britain. In the State of San Luiz Potosi where formerly a large proportion of the output was secured, the production has shrunk considerably, which is not attributed to the exhaustion of the mines but to the lack of foreign capital to exploit them.

As regards consumption, the fact deserves mention that the German imports have largely increased of late years, the figures for last year being 836 metric tons, and the re-exports only 32 tons, which compare with 651 and 27 metric tons respectively in 1901. German consumption thus appears now to take about one-fourth of the total world's production. Great Britain, however, is by far the largest importing country, although a large portion of the quicksilver coming to this side is re-exported, and London continues the leading world's market. The imports into Great Britain for September were 1,082 bottles, making a total of 44,010 bottles for the nine months, against 43,128 bottles last year. The re-exports for September were 1,444 bottles, making an aggregate of 25,889 bottles for the nine months, against 18,068 in 1910 and 11,300 bottles in 1909. The average price for last month was 8l. 10s. per bottle, against 8l. 5s. in 1910, 8l. 6s. in 1909, and 8l. 2s. in 1908.

Since writing the above we now understand that the Spanish contract has again been secured by the Rothschilds, who, instead of accepting 1½ per cent. of the commission offered, agreed to take only ¾ per cent. commission. Moreover, instead of taking 10 per cent. of any advance over 8l. 2s. per bottle, they have agreed to be satisfied with only 5 per cent.

September Foreign Trade.

THE Board of Trade Returns of the export and import trade of the United Kingdom during September show a small increase in imports and a slight decline in exports as compared with September 1910. In view of the recent labour troubles and disturbed political conditions abroad, last month's record is generally regarded as being not unsatisfactory. The actual totals of the September returns are as follows:

In September 1911 as compared with September 1910:

Imports rose by 2,153,501l. to 53,700,958l.

Exports (British) declined by 145,007l. to 36,819,254l.

Re-exports rose by 1,010,210l. to 7,818,319l.

In the nine months ending September 1911 as compared with the corresponding period of 1910:

Imports rose by 2,251,811l. to 489,498,971l.

Exports (British) rose by 12,600,843l. to 351,177,887l.

Re-exports fell by 907,674l. to 77,533,614l.

The features of last month's trading comprised an increase in the food and drink bill by 1,387,147l., the bulk of this being due to the enhanced prices paid for sugar and tea. Raw materials advanced by 82,149l.; most of the items in this section declined, but these were more than balanced by a gain of 400,197l. in oil-seeds, nuts, oils, fats, and gums (acacia increased by 4,807 cwt.), and an expansion in raw cotton. Under manufactured articles there is an increase of 717,534l., more than half of which was in "other metals and manufactures." In this group chemicals, drugs, and allied products increased by 4,665l. to 880,928l. Other outstanding features were increases in the following: Bleaching materials by 6,076 cwt., boron compounds by 8,716 cwt., glycerin by 3,731 cwt., saltpetre by 7,329 cwt., tartaric acid by 839 cwt., cinchona by 1,657 cwt., myrabolans by 16,826 cwt., and painters' colours by 15,739 cwt. On the other hand, "miscellaneous chemicals" declined by 11,573l., quinine and quinine-salts by 65,350 oz., or 1,443l., alizarine and anthracene dyestuffs by 23,863l., extracts for tanning by 11,593l., and "other articles" by 24,388l. A few other figures of interest include an increase of 79,636 lb. in quicksilver, one of 5,688 cwt. in turpentine oil, 210,835 oz. more of saccharin and the like, while petroleum went up by 14.6 million gals.

Turning to the exports, the actual decrease was 145,000l., or 0.3 per cent. In food and drink stuffs there was a gain of 491,337l. About a quarter of this gain was due to the unusually large exports of hops to make good the shortage on the Continent; the figures last month attained 23,096 cwt., against 324 cwt. and 506 cwt. in September 1910 and 1909. In raw materials there was a slight advance of 18,273l., but manufactured articles declined by 512,289l. It must be noted, however, that the value of cotton textile goods went up by 616,000l., and that chemicals, drugs, and the like increased by 73,543l., the totals for chemicals, etc., being as follows:

	1909	1910	1911
	£	£	£
September ...	1,333,699	1,528,618	1,672,161
Nine months ...	12,314,652	13,632,688	14,857,191

These figures tend to show that the chemical and drug trades are having an exceptional measure of prosperity, while some of the figures relating to the iron and steel and electrical goods suggest depression, the falling-off being about a million sterling on the month. It is somewhat extraordinary that the chemical growth shows an advance of 2,542,539l. on the nine months' trading as compared with the corresponding figures of two years ago. It may be remembered that the exports of drugs and medicines declined slightly in August to 130,805l.; but September showed a quick recovery to 177,035l., or 26,776l.

better than September last year, the figures being as follows :

	1909	1910	1911
	£	£	£
September ...	144,574	150,259	177,035
Nine months ...	1,247,643	1,366,023	1,431,941

Last month's trading in chemicals was noticeable for the all-round expansion, the only set-back of any magnitude being in painters' colours and materials, and to a slight extent in ammonia sulphate and unenumerated chemicals. Quinine and quinine-salts are still on the upgrade, with 130,611 oz. exported as of British make, an additional 15,219 oz. coming under the heading of "Foreign." So far this year we have exported 1,473,349 oz. against 1,135,407 oz., the values being represented by 57,018*l.* and 43,145*l.* in 1911 and 1910 respectively, or a selling price of 9¼*d.* and 9½*d.* per oz., as against an import cost of 7*d.* per oz. in 1911 and 6½*d.* in 1910.

Java Quinine.

So little interest is shown nowadays in the speculative possibilities of quinine since the over-production of bark in Java, and the impossibility of bringing about a reduction in the output by combination, that the annual report of the Bandong Quinine Factory for 1910, which has just been issued, is not calculated to arouse the enthusiasm of the erstwhile speculator. There is, however, one statement in the directors' report which some may look upon as a "bull" point, and that is "that the demand for quinine is increasing, while there is a tendency on the part of Java planters to grow tea in place of cinchona. Unless, therefore, the planters undertake intensive cultivation and increase their output of bark, prices are likely to rise." Some confirmation of this statement in regard to production may be found in the fact that although the shipments from Java for the nine months of this year have been heavy—viz., 12,300,000 Amst. lb.—yet they are 1,730,000 Amst. lb. less than at the same time last year. There will, however, have to be a further considerable diminution before any tangible improvement takes place. The directors also express the hope—somewhat piously, perhaps—"that some arrangement may be made whereby quinine-makers will have to pay higher prices for their bark," and they also welcome the efforts of Heer Lovink, Director of Agriculture for the Dutch East Indies, to bring about a better understanding between planters and manufacturers. So far as can be ascertained from the report, the factory appears to have had a satisfactory financial year, although the price of quinine fell steadily during 1910. During the first months of 1911 there was a further fall in quinine-prices, followed by a slight advance, and with the present steady market the directors regard the prospects as "fairly satisfactory." The company's sales of quinine sulphate, including tablets, amounted to 75,815 kilos., or 2,690,300 oz. Sugar-coated tablets met with a steady sale, and the directors anticipate that as they become better known among the natives as a remedy for fever the demand for them will largely increase. During the year the agreements with the Government Cinchona Plantation and with various planters for the purchase of bark by the factory terminated, and negotiations for the renewal of these on the old terms fell through, under circumstances to which reference was made at the time in the *C. & D.* It is of interest to know that all the bark required was easily obtained, and that contracts for the delivery during 1911 of bark sufficient to produce 80,000 kilos. of quinine sulphate have been entered into with the Government

cinchona undertakings and private planters, and this will suffice to keep the factory in full working order. The statement on this point is emphatic enough, and disposes of any idea or suggestion that the Government or private planters are averse to supplying the factory. Yet it is conceded that the factory, by its intense competition and permanent underselling of other makers, is the chief stumbling-block in the way of planters obtaining better prices for their bark.

At the end of 1910 the factory had a stock of bark equivalent to 53,500 kilos. of quinine sulphate, and in addition 17,500 kilos. of the alkaloidal salt itself: the former is valued at 299,600*fl.* and the latter at 148,750*fl.* Since the abolition of auctions at Bandong the factory has had to store large stocks of quinine, and a new store, costing (land included) 17,000*fl.*, is being constructed for this purpose. In 1910 the expenditure on buildings was 22,849*fl.*, and on machinery and plant 10,987*fl.* It has been resolved to write off 10,849*fl.* for buildings and 12,987*fl.* for plant, and the property is valued at 322,000*fl.* in the balance-sheet. In the previous year 300,000*fl.* of new capital was issued at 135 per cent., of which actually 125 per cent. was paid into the company's treasury, and the reserve fund was thereby increased by 75,000*fl.*, and a further addition of 4,307*fl.* is made from the profits of 1910, bringing it up to 91,539*fl.* The total profits in 1910 were 168,359.82*fl.* (14,028*l.*). The amount written off for depreciation in value of bark and quinine in stock was 32,269*fl.*, and on buildings, plant, etc., 25,344*fl.* The cost of administration was 10,128*fl.*, and the salary of the chemist 6,076*fl.* The shareholders received a dividend of 25*fl.* for each coupon No. 15 they held and the founders 47.86*fl.* for each coupon No. 7, the latter disbursement amounting to 4,307.69*fl.* Altogether the operations of the factory have been attended with success, and while this is so the status of the company is likely to remain unaffected.

Body-name Preparations.

We point out in our *Diary* that "no licence is necessary for selling non-dutiable body-name medicines," and it is to be inferred that the vendor who has been fined under the Medicine-stamp Acts at Merthyr for not having a licence made his preparation dutiable. For example, the word "Princess" may be the basis of duty; but, whatever the illegality was, the case is a warning to those who are not chemists and druggists or licensed medicine-vendors to be careful how they meddle in this business.

Inland Revenue Report.

The report of the Commissioners of the Inland Revenue (United Kingdom) for 1910-11 was issued on Wednesday evening—about two months later than usual. Since the amalgamation of the Excise with the Customs this report has been shorn of much of its drug-trade interest. Spirit no longer figures in it, nor do medicine-stamps. The report extends to 189 pages, and contains much interesting information regarding the valuation of land and premises which has been necessary under the 1910-11 Budget, as well as new features of the income-tax arising therefrom. The gross receipts of Inland Revenue duties in 1910-11 was 110,455,964*l.*, of which 66,348,511*l.* was income-tax. Of the total forty-five millions odd was arrears of 1909-10. We note from the alkali-works table that the total certificates issued—1,496—were eleven more than in 1909-10, but there were 44 fewer in Scotland and two fewer in Ireland, so that the net increase in England was 57.

The Opium Conference.

We are informed upon good authority that other names besides those of Sir Ernest Satow, G.C.M.G., and Sir William J. Collins, M.D., a former member for West St. Pancras, have been before the Foreign Office as likely delegates to represent the British Government before the international tribunal which is to assemble at The Hague on December 2, to deal with the opium question, and that it is unlikely that the two mentioned above will be appointed. The date originally fixed for the opening of the conference was July 1, but this was found to be impossible, owing to a hitch which occurred in the preliminary arrangements, due, it is understood, to the suggestion of the British and United States Governments that trade in cocaine and morphine should be included in the scope of the investigation. To this proposal, it was currently reported at the time, both Germany and Portugal were averse, hence the delay in the appointment of the Commission. It is expected that the names of the Commissioners will be made public soon.

Proprietary Medicines Inquiry.

We understand that it is unlikely that any definite steps will be taken towards setting up the Select Committee to consider the conditions of the sale of patent medicines, which was practically promised by the Home Secretary in the House of Commons in June last before the commencement of next Session, when, if the intention of the Home Office that the inquiry should be conducted by a Select Committee, in preference to a Departmental Committee, be still adhered to, the appointment of the various members will be proceeded with in the usual way by consultation between the Whigs on both sides. Mr. Glyn-Jones would be certain to be included in the *personnel* of such a committee, and another member who might be looked for upon it would be Dr. Addison, the Liberal member for the Hoxton Division, who has performed much useful work as an intermediary between the medical profession and the Chancellor of the Exchequer in the discussions which have been taking place for many months past on the medical aspect of the National Insurance Bill. It will be remembered that the Royal College of Physicians are in favour of compelling all manufacturers and vendors of patent medicines to print on the labels of the bottles or other vessels the exact composition of such medicines and the amount of each constituent part; but the Home Secretary, when questioned on the subject in the House of Commons, stated that he had no authority to take the step proposed, and suggested the possibility of appointing a committee on the subject, but giving no promise as to when this might be done.

Chemists and Socialism.

Sir William Ramsay, K.C.B., F.R.S., has been asked by the journal of the Anti-Socialist Union to express his opinion on the proposition:

"That the circumstances in these islands are such that Socialistic experiments causing a violent revolution must result in the starvation of millions of wage-earners and in the disruption of the British Empire."

Sir William has succeeded in living through six decades without blazoning from the house tops what his politics are, and he has yet to be caught. The following is what he told the Union:

"So far as I can judge, your reasoning is correct, but in my view Socialism, under certain restrictions, might do very well. These have long been practised by the ants and the bees. They are:

"(1) Extirpation of unpromising children at birth, and State care of the remainder.

"(2) Removal (by painless means) of all the youth of both sexes who, at a later stage, promise badly.

"(3) Removal, also, of all who cannot work, by euthanasia; and slavery for all who will not work.

"(4) Careful State supervision of all marriages, only a few persons being permitted to carry on the race.

"(5) Euthanasia for the aged.

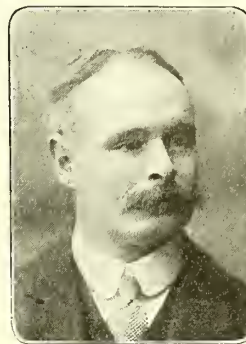
"This, it must be acknowledged, would produce a powerful race. The chances are, however, that it would be extirpated before the experiment had a fair trial. Without some such expedients, however, I do not see how Socialism would work, and, if it spreads, we shall probably see some approach to the restrictions mentioned above."

There are several active anti-Socialists in chemistry and pharmacy, as well as a few Fabians. All of them will relish Sir William Ramsay's facetious treatment of the subject.

ASSOCIATION AFFAIRS.

Association Presidents.

On the borderland of pharmacy and commerce are many associations, but few of them are so intimately in touch with pharmacy as the St. Vincent Association, which was founded several years ago by representatives of pharmaceutical houses and others who are accustomed to call upon chemists and doctors, and who have an opportunity of meeting together at medical exhibitions—the name being taken from Vincent Square, where the Medical Exhibition is held. The object of the Association is the protection of the mutual interests of the members, especially by helping those who meet with misfortunes, one of the most notable examples of its good work being the assistance that the Association gave to the late Mr. Harry W. Cox, who suffered a long and painful illness in consequence of his work with x-ray apparatus at a time when the danger of prolonged exposure to the rays was not properly understood. It was the St. Vincent Association which obtained a grant from the Government for Mr. Cox and promoted a fund for his relief. The President of the Association is a well-known pharmacist, Mr. Lionel Cooper, manager of the London branch of the Chas. H. Phillips Chemical Co., 14 Henrietta Street, Covent Garden, London, W.C. Mr. Cooper was in his early days with Mr. W. H. Rastrick, chemist, Southsea, and came to Luff and Woodland's school in Marylebone Road to study for the Minor examination, which he passed in December 1891. A year or two later Mr. Cooper became a lecturer in it and a partner with Mr. Woodland, a position which he retained until shortly after Mr. Woodland's death, when he returned to business again, and has been associated with the Phillips Co. for over fifteen years. He makes an excellent President, is popular with his fellow-members, and is well known to all of them for his sympathy and readiness to help in any good cause.



MR. LIONEL COOPER.

Brief Records.

Wolverhampton Chemists' Association.—The prizes given by this Association to the best students in chemistry and botany at the local Technical School have been awarded to C. P. Round (chemistry) and A. K. Lingard (botany).

Brighton Association of Pharmacy.—A meeting was held on October 6, when Mr. W. H. Gibson was again elected President, this being the nineteenth occasion on which he has been re-elected Chairman. Mr. A. J. Franklin was unanimously elected Secretary. It was announced that Mr. Woolcock would visit the Association on October 26. Mr. J. R. Gwatkin was again nominated as Divisional Secretary.

Great Yarmouth Pharmaceutical Association.—The first meeting of the winter session was held at 156 King Street on October 4. The President (Mr. T. J. Woodcock) was in the chair, and there were also present Messrs. P. R. Hill, T. B. Male, Harvey-Palmer, H. E. Goddard, and A. E. Richmond. Mr. W. S. Poll and Mr. P. R. Hill were again nominated as Divisional Secretaries for Great Yarmouth and North-East Suffolk respectively.

Doncaster Association of Pharmacists.—The annual meeting was held at the Woolpack Hotel on October 3, the President in the chair. There were also present Messrs. H. W. Shaw, J. C. Marr, F. W. Playford, W. E. Plant, E. A. Collings, and the Hon. Secretary (Mr. Harry W. Stiles). The following were elected officers for the ensuing year: *President*, Mr. Walter E. Plant; *Hon. Secretary and Treasurer*, Mr. Harry W. Stiles; *Committee*, Messrs. M. H. Stiles, F. W. Playford, and H. W. Shaw. It was decided in future to hold meetings on the first Tuesday in each month from October to April.

York Chemists' Association.—A meeting was held in the Old George Hotel on October 9. There were present Messrs. F. C. Hey (President), J. A. Lupton, M. F. Burgin, W. P. Saville, W. Lowray, G. E. Walker, and T. C. Atkinson (Hon. Secretary). Mr. G. E. Walker was nominated as Divisional Secretary of the Pharmaceutical Society. It was decided to ask Mr. Pilkington Sargeant, Leeds, to read a paper before the Association. A vote of condolence was accorded Mr. W. Dewhurst, past-President of the Association, on the death of his father.

Irish Chemists' Assistants' Association.—The committee met on October 7 at the Central Hotel, Exchequer Street, Dublin, the President (Mr. M. O'Donnell, Ph.C.) in the chair. There were also present Messrs. Lynn (Vice-President), Moloney, Coffey, McManus, Brown, Rea, and the Hon. Secretary (Mr. Bates, L.P.S.I.). A draft circular to the members of the craft in Ireland and syllabus were read, discussed, and approved of. A sub-committee was appointed to arrange for new meeting-rooms. The President gave an account of his visit to the Pharmaceutical Society's annual meeting, and said he had received many letters from supporters promising to vote for him at the election next year, when he would take care not to be late in his candidature.

Leeds Chemists' Association.—The members turned up in large numbers on October 11, when the session was started, at the Grand Restaurant. The President (Mr. J. H. Beacock) presided, and the evening was occupied with an enjoyable smoking-concert. The President welcomed the members, and, speaking of the desirability of confining the opening gathering purely to harmony and enjoyment, said there would be many opportunities during the next few months to discuss pharmaceutical topics. An interesting programme of songs, humorous and sentimental, was gone through, the artistes including Messrs. S. R. Mundell (Hon. Secretary), Morris, Thorp, A. H. Furniss, E. Crawford, G. Holroyd, Whitley, Morris, Musson, and Pounder.

Western Pharmacists' Association.—The opening function of the session at the Restaurant Frascati, London, W., on October 11, took the form of a whist-drive, which attracted over a hundred members and friends. The reunion proved to be a complete success, and at the close of the evening Mrs. Browne, the wife of the President (Mr. W. Browne), presented the prizes to the following winners: *Ladies*: (1) Mrs. Norton; (2) Mrs. Weston; (3) Mrs. Brooks; consolation prize, Miss D. Cron. The three last-named ladies tied and cut for the prizes. *Gentlemen*: (1) Mr. A. R. Melhuish; (2) Mr. Hugh Latrielle; (3) Mr. F. W. Ashton.

Middlesbrough Chemists' Association.—The annual meeting was held on October 5 at the Grand Hotel, Mr. Arthur Lee in the chair. The Hon. Secretary (Mr. J. C. Thompson) read the annual report, which was a *résumé* of the work of the past session, and showed that the Association had justified its existence. The Treasurer (Mr. W. R. Brackenbury) presented the financial statement, which showed a balance in hand of 7*l.* 6*s.* 10*d.*, and was considered satisfactory. The following officers were elected for the ensuing year: *President*, Mr. C. S. Ellington; *Vice-President*, Mr. J. W. Hornsby; *Treasurer*, Mr. Wm. Caris; *Auditor*, Mr. E. R. Nichols; *Committee*, Messrs. J. H. Drust and R. Bennison; *Secretary*, Mr. J. C. Thompson. Mr. W. R. Brackenbury was recommended for reappointment as Divisional Secretary. A discussion took place on the new poisons regulations and upon early closing.

North Kent Pharmacists' Association.—The first meeting of the 1911 session was held at Chatham on Wednesday, October 4. Mr. R. Feaver Clarke, J.P., presided, and Messrs. A. Stooke (Treasurer), Goldthorpe, Chesterfield, Ryder, Towers, and J. E. French (Hon. Secretary) were also present. The following were nominated Divisional Secretaries of the Pharmaceutical Society: Mr. A. J. Wing (Woolwich), Mr. R. Feaver Clarke (Gravesend), Mr. W. E. Clark (Rochester), Mr. A. F. Corie (Maidstone), Mr. A. Stooke (Chatham and Gillingham), Mr. A. W. Hanson (Dartford), Mr. W. Stedman (Medway), and Mr. J. E. French (Faversham). It was decided to hold meetings as follows: On November 22 at Gravesend, on the third Wednesday in January at Chatham, on the third Wednesday in February at Gravesend, and on the third Wednesday in March at Chatham.

Harrow Pharmacists' Association.—The first general meeting was held at Harrow on Wednesday, October 11, Mr. R. L. Whigham (President) in the chair. The office-bearers were re-elected, and it was decided to hold meetings of the Association quarterly. Mr. Woolcock addressed the meeting on "Organisation."

Bradford Chemists' Association.—A meeting was held on October 10, when during some remarks upon the new regulations under Section 5 of the Poisons and Pharmacy Act one of the members created surprise by stating that he was unable to get ammonia just now from his usual source because his wholesalers were waiting for special bottles—and this four months before the regulation applies to this commodity! The sale of a Winchester to a private family was mentioned, and various suggestions were made as to how to make the bottle "distinguishable by touch." Mr. M. Firth (President), who was in the chair, announced that the annual dinner of the Association has been fixed for December 12. It was decided that ladies should be invited. A deputation from the Bradford Chamber of Trade attended and explained the scheme of reorganisation. Mr. Burdett, of Bradford, and Mr. A. S. Dean, of Keighley, were nominated as members of the Association.

Tunbridge Wells Association of Pharmacists.—The annual meeting of this Association was held at 33 Mount Pleasant on October 4. The President (Mr. Phillips) was in the chair, supported by Messrs. Hobbs, Booth, Batting, Harden, Godkin, Bishop, Nicholson, Gale, and Webb. The accounts presented by the Hon. Treasurer showed a balance in hand, and were approved. Mr. Godkin was elected President; Mr. Harden, Vice-President; Mr. Webb, Hon. Treasurer and Secretary; and committee, Messrs. Gower, Booth, Batting, and Gale. The Hon. Secretary then reported on the steps taken to bring the wishes of the pharmacists respecting the National Insurance Bill before the local member of Parliament, and the satisfactory response which followed. The deaths of Mr. R. Howard and Mr. H. Harris were also mentioned. The classes for chemistry, botany, and materia medica arranged by the Technical Institute for pharmaceutical students were approved, but it was thought that the hours for the classes were inconvenient. It was, however, decided to do everything possible to encourage apprentices and assistants to take advantage of the classes. The meeting was in favour of a uniform closing of all pharmacies on Wednesdays at 2 P.M., and it was resolved to endeavour to obtain the consent of all engaged in business to this.

Dundee Chemists' Assistants' and Apprentices' Association.—The opening meeting of the session took place in Mather's Hotel on October 6, when Mr. W. J. Peacock delivered his presidential address. He dealt at considerable length with the National Insurance Bill, defending its principle, but condemning its composition and application. He could not conceive its passage into law, but he advocated that assistants should be prepared to make what they could out of it, and he moved a resolution as follows:

"That this Association respectfully urges the Chancellor of the Exchequer to insert a clause in the National Insurance Bill to the effect that patronage of individual pharmacists by representatives of the State will be given in some ratio to the efficiency of the staff thereof, which must alone be judged by the wages paid to assistants, qualified and unqualified, and the educational standard of their apprentices."

He further dealt with the hours question, and suggested that no victory would be regarded as worthy which did not include for assistants one half-holiday every week, one day's rest in fourteen, and a total of sixty hours a week. Mr. John Mackay was appointed Treasurer.

Grimsby Pharmacists' Association.—A meeting was held at Dring's Hotel on Monday, October 2, at 9 P.M. Mr. Cor. Willson (President) was in the chair, and Messrs. T. D. Sneath, C. Dewing, H. W. Colley, R. C. Johnson, W. G. Robinson, and C. H. Ashton (Secretary) were also present. The Secretary gave an account of the deputation to the Secretary of the Grimsby Education Committee on September 21. Mr. Chandler, on behalf of the committee, said they were delighted to receive this offer of the chemists (see *C. & D.*, September 16, index folio 442), and trusted it would be the cause of more enthusiasm among chemists' apprentices to acquire knowledge for their qualification in a course extending over several years, instead of cramming the same in as many months at a school of pharmacy. On the motion of Mr. Dewing, seconded by Mr. Sneath, it was decided that all the chemists in the district should be notified of the prizes, so that all apprentices and assistants might join the classes and take advantage of the gifts. Mr. Watson (Caistor), Mr. Rainie (Spilsby), Mr. Dennis (Louth), and Mr. H. W. Colley (Grimsby) were nominated as Divisional Secretaries. It was decided to ask the Pharmaceutical Society to fix a

date for Mr. Woolcock to speak to the members, of whom the latest is Mr. Gooseman, Cleethorpe Road.

Hull Pharmacists' Association.—The monthly meeting was held on October 10 at the Grosvenor Hotel. There were present Mr. R. F. Jones (President), Messrs. T. Smith, A. Richardson, Hoyles, jun., Snowden, W. Kenny, Robinson (Treasurer), Stanning (Hon. Secretary), A. Wharton (Assistant Secretary), J. F. Robson, Hebblethwaite, King, Sawyer, Sellé, Chapman, and Walton. The Chairman opened the proceedings by proposing, in feeling terms, a vote of condolence with the family and relatives of the late Mr. Glover, a colleague and member of the Association, which Mr. Smith seconded, the resolution being carried in silence, the members standing. It was resolved to send a wreath from the Association to Mr. Glover's funeral. Mr. Joseph Tiffany, 112 Beverley Road (Messrs. Clark & Co.), was elected a member. It was decided to hold the annual dinner on December 7. Mr. Sellé, as one of the deputation which had waited upon Mr. Ferens, M.P., on the question of the Insurance Bill, said that Mr. Ferens informed them that on no question had he been approached by so many persons. He listened with interest to their case, and it was explained to him that in this matter they were acting with, and not against, the large store-shops. Some discussion took place on the sale of poisons, Mr. Walton suggesting that it would strengthen the hands of the chemists if they adopted a uniform method in selling poisons. The Chairman pointed out the anomaly of chemists being obliged to carry out the law, while the public institutions of various kinds supplied the public freely with poisons in all sorts of vessels.

Midland Pharmaceutical Association.—The annual meeting was held at the Birmingham University on October 11. Mr. E. Corfield (President) was in the chair, supported by Messrs. A. W. Southall, Chas. Thompson, J. A. Radford, H. M. Tranmer, F. H. Prosser, E. W. Mann, J. Austin, J. Hampton (President of Leicester Pharmaceutical Association), H. Buckingham (Hon. Secretary). The financial statement submitted to the meeting showed an income of 29l. 0s. 6d., of which 12l. 10s. was derived from subscriptions and 16l. 10s. 6d. from donations. The balance brought forward was 5l. 13s. 8d., and the expenditure 19l. 5s. 11d., leaving 15l. 8s. 3d. to be carried forward. The social meetings of the session were run at a loss, the deficiency on the inaugural meeting being 2l. 17s. 5d. and on the whist-drive 1s. 4d. Mr. Southall characterised the report as the most satisfactory for some years, and it would be necessary to look round and see how the balance could be spent to advantage in stirring up interest in the work of the Association. The report was adopted. In the course of a discussion on the subject of the federation of local Associations with the parent Society, Mr. Thompson claimed that the scheme was originated by Midland pharmacists. A small committee formed in 1890 for the purpose of getting the rules of the local Association into shape was followed in 1893 by the Federation of Local Pharmaceutical Associations: in 1900 the scheme of Divisional Secretaries, introduced by Mr. Newsholme the previous year, was adopted with good if not entirely satisfactory results. The Federation ceased to exist in 1910 because the Pharmaceutical Society agreed to do the work for which Midland pharmacists had agitated for twenty years. Mr. Hampton, who is a member of the special committee formed by the Pharmaceutical Society to watch the progress of the National Insurance Bill, referred to the position of the Bill. The following were elected members of the Council: Sir Thomas Barclay, Messrs. J. A. Radford, F. H. Alcock, C. E. Corfield, H. Buckingham, F. Stokes Dewson, E. W. Mann, F. Smith (Handsworth), F. A. Smith, A. Southall, A. W. Southall, and J. Wakefield. Officers for 1911-12 will be selected at a meeting of the Council to be held on October 18. Mr. Thompson repeated his protest against a process of election which left the names of several gentlemen on the Council who had not attended a meeting, to the exclusion of others who were prepared to assist actively in the work of the Association.

St. Vincent Association.

At the Monico Restaurant, Piccadilly Circus, London, W., was held on October 5 the sixth annual dinner of the St. Vincent Association, at which Mr. C. W. Martin, of Messrs. S. Maw, Son & Sons, was the guest of the evening, and to whom a presentation was made in the course of the evening. Mr. Lionel Cooper (Chas. H. Phillips Chemical Co.) was in the chair, and there were present, among others, the following: Mr. C. W. Bowerman, M.P., Dr. Forbes Winslow, Messrs. A. Procter Atkinson, G. Duncan Bowie, H. O'Reilly, W. G. Turner, and A. Buchan (Duncan, Flockhart & Co.),

Mr. E. H. Scholl (Meister, Lucius & Bruning), Messrs. A. Boyes and W. Daniel (Baiss Bros. & Stevenson), Mr. H. Hickey (Parke, Davis & Co.), Messrs. G. O. Parrott, W. H. Izod, J. A. P. Hilton, F. Beale (Chas. H. Phillips Chemical Co.), Messrs. C. S. Present and A. H. Milner (Sangers), Messrs. J. Barry Hopkins and F. Blazey (Arnolds), Mr. John Bailey, Mr. J. Harrison (Evans Sons Lescher & Webb), Mr. Carter (Kolynos), Mr. J. W. Royle (Ingram & Royle), Messrs. A. Taffs and W. Weston (Reuter's), Mr. J. C. Spencer (Frank & Co.), Mr. J. E. Field (Willows, Francis & Butler), Messrs. Gango and Coulson (Howden & Co.), Messrs. S. J. Massey, A. Shilecock, W. Burton, and W. Kingston Tomkins (Meggeson & Co.), Mr. F. Peck (Idris & Co.), Messrs. S. Jamieson and H. G. Winchcombe (Syrolit, Ltd.), Mr. E. F. Shackleford (Cresswell Bros.), Mr. M. Menzies (Pinaud's), Mr. Gray (Bayer Co.), Mr. W. T. Balls (Keen, Robinson & Co.), Mr. Felton (Felton & Crepin), Mr. Alan Francis (British Drug Houses), Mr. G. A. Hamilton (A. & M. Zimmerman), Mr. H. C. Gooseman (Vinolia), Messrs. A. J. Rickford and H. Lewis (Allen & Hanburys), Mr. W. G. Higgins (Christy's), Messrs. R. R. Coates and H. A. J. Pleasall (Hoffmann-La Roche), Mr. L. Hughes (Fassett & Johnson), Mr. A. Milner (Lippincott's), Mr. H. Rokey (K. Schall), Mr. R. E. Sheperd (Manhu Food Co.), Mr. W. Woodruff (Stern's), Mr. G. H. Zeal, Mr. T. R. Williams (Wright, Layman & Umney), and Mr. Williams, jun., Mr. R. D. Dixon (Maw's), Mr. Brummitt (F. A. Rogers), Mr. H. Downs (Downs Bros.), and Messrs. F. J. Sandberg (North Finchley), W. G. Yeats (Baker Street), D. Anderson (Crouch End), T. H. Mallagh (Great Tower Street), H. Raithby Procter (Hammersmith), T. W. Dunlop (Norwood), R. L. Cassio (Newgate Street), A. P. Nosworthy (West Kensington), W. Browne, and H. P. Thompson.

A well-served dinner was followed by speeches interspersed with songs. The loyal toasts were followed by that of "The Houses of Parliament," proposed by Mr. J. R. Bailey (Hon. Secretary), who coupled it with the name of Mr. C. W. Bowerman, M.P., who had used his influence with the Prime Minister to obtain grants from the Royal Bounty Fund for the late Mr. H. W. Cox, a member of the Association. Mr. Bowerman, in a speech which created an excellent impression, referred to the late Mr. Cox. What small service he did, said Mr. Bowerman, was with a feeling of duty. When men are prepared to sacrifice themselves in the interest of scientific research, he thought that the State ought to come to their aid when misfortune overtakes them. He (Mr. Bowerman) was disappointed at the amount which was obtained from the Fund, and he could not help thinking that if the Prime Minister or his Secretary could have gone to that room at Clapton where Mr. Cox lay suffering the grant would have been on a more liberal scale. The Chairman (Mr. Lionel Cooper) proposed "The St. Vincent Association," which has now been founded seven years and has 200 members. The Association has for one of its objects the obtaining of better treatment of exhibitors, who are entitled to get value for money. Mr. Sydney Jamieson, who replied, referred to the illness of Mr. Geo. Back, the founder of the Association, and suggested that a telegram should be sent wishing him a speedy return to good health. The Chairman then proposed the toast of

OUR GUEST.

He made special reference to the record which Mr. Charles Martin has made, to his good nature and kindly manner, and the help which he has always given in every good cause. The Chairman then presented Mr. Martin with a handsomely illuminated and framed address and an album of signatures. The inscription on the address was as follows:

"The purest treasure mortal time affords
Is spotless Reputation; that away,
Men are but gilded loam or painted clay."

Richard II., Act I., Scene 1.

Presented to Mr. Charles W. Martin on the occasion of the completion of fifty years' service with Messrs. S. Maw, Son & Sons by comrades and friends, whose signatures are inscribed in the accompanying album, to mark their appreciation of a career which has ever travelled along the high roads of honour, integrity, charity, and consideration for his fellows.

Mr. Sandford also spoke, after which Mr. Charles Martin replied. He said he was at a loss to find words adequate to convey his deep appreciation of the kindness shown to him. He could hardly realise why fortune has so favoured him, who had received nothing but kindness from his comrades on the road and his customers. He had always tried to win their esteem, and this presentation encouraged him to hope that he had won it in a small measure. He hoped his friends would always retain a kindly feeling for "Charley" Martin. (Cheers.) The other toasts were "The Chairman," proposed by Mr. C. W. Martin. The musical programme, which filled up the intervals of the speeches, was of a high order.

PHARMACEUTICAL SOCIETY OF IRELAND.

Annual Meeting.

THE annual meeting of the members was held at 67 Lower Mount Street, Dublin, on October 2. Sir William J. Baxter, J.P., D.L. (President), in the chair. The following were also present: Dr. J. A. Walsh, Dr. A. J. Barnes, Dr. James S. Ashe, Messrs. D. M. Watson (Vice-President), G. D. Beggs (Hon. Treasurer), John Smith, W. F. Wells, Thomas Batt, Joseph H. Bowden, John F. McCann, M. O'Donnell, R. Bates, H. Nightingale, A. Owen Wells, J. Burnett, R. J. Savage, and F. J. Cahill.

ELECTION OF MEMBERS OF COUNCIL.

The REGISTRAR submitted the following report of the scrutineers:

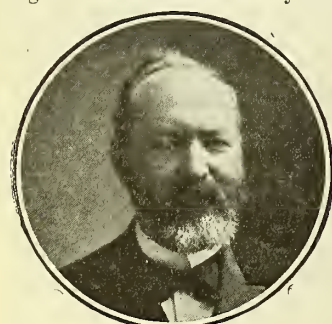
"Annual election of seven members of Council. We, the scrutineers of the ballot, declare that the following was the voting: G. D. Beggs, 165; W. F. Wells, 164; Sir William J. Baxter, D.L., 163; J. E. Connor, 150; J. Burnett, 142; Wm. Jamison, 122; P. N. White, 106; P. J. Fielding, 92; and J. C. O'Farrell, 77. One hundred and eighty-eight papers were received. Three papers did not conform with the regulations. Scrutineers—John Smith, Joseph H. Bowden."

The retiring members are thus re-elected.

The PRESIDENT declared the first seven named duly elected for the coming three years. At the same time personally he had to offer his thanks for the very kind and generous vote that the members of the Society had given a Northerner.

THE PRESIDENT'S ADDRESS.

The PRESIDENT expressed his appreciation of the high honour the Society had conferred on him



SIR W. J. BAXTER.

during the past year of electing him their President in succession to the many distinguished men who had occupied that position. It was now thirty-five years since their first President, Sir Dominic Corrigan, Bart., M.D., acted in that capacity; and it was a pleasing coincidence that in that very year his (Sir William Baxter's) own business establishment in Coleraine was opened, so that his life work and that of the Society had been concurrent. Co-opted as he had been on the Council in the room of Sir George Owens, M.D., whose failing health had led him to resign, he had been without cessation a quarter of a century or more a member of their Board; and the many friendships he had formed, and the experience he had gained of the constant, strenuous, and exacting administrative work which the Council had year by year to get accomplished, had raised the members of the Council in his esteem as men who were fit to adorn any sphere of State or civic responsibility. When he accepted the presidential chair he knew how much real work would devolve on Mr. Watson as Vice-President. This work had been done *con amore*. Without the help of a City Councillor as Vice-President it would have been quite impossible for him (Sir William Baxter), residing as he did at the extreme North, to have attended the numerous committees which it was necessary to have in the interest of the Society. He was glad to feel that Mr. Watson's constant oversight and attendance had allowed not a single duty to remain undone. Personally he tendered Mr. Watson his very warmest thanks. The work of the Society had been naturally increased by the National Insurance Bill, which, in some of its clauses, was injurious to the interests of pharmaceutical chemists, particularly in Ireland. With

a view to amending these, two deputations visited London and interviewed the authorities there, and a third deputation, by request of Mr. Lloyd George, waited on the Local Government Board in Dublin to lay their case before them. The attitude of the Board was sympathetic, and many of the points of objection urged were admitted by Sir Henry Robinson as requiring amendment. Their Council was keeping in close touch with the English chemists as to the Bill, and everything that could be done had been done to preserve the interests of pharmacists in Ireland during its passage through the House. The President proceeded to lay before the meeting statistics indicating the position and work of the Society, as follows:

REGISTERS

	1910	1911	Increase
Pharmaceutical Chemist ...	851	881	30
Pharmaceutical Assistants ...	126	134	8
Chemists and Druggists ...	188	164	—
Registered Druggists ...	563	579	16
	1,728	1,758	54
Less decrease of Chemists and Druggists ...			24
Net increase ...			30

The deaths of five pharmaceutical chemists, twelve chemists and druggists, and one registered druggist were recorded during the year. In addition, twelve chemists and druggists were erased from the Register.

SUBSCRIBERS.

	1910	1911	Increase
Members ...	311	335	24
Associate Druggists ...	38	38	—
	349	373	24

EXAMINATIONS.

Preliminary.

	1910	1911	Increase
Candidates ...	107	136	29
„ rejected ...	65	85	20
„ passed ...	42	51	9
Registered on certificates from other bodies ...	33	40	7
Total registered students ...	75	91	16

The following passed with honours: Herbert Mackey, who scored 83½ per cent.; Percy R. W. Shinner, 74½ per cent.; Bridget F. Meehan, 71½ per cent.; George H. Miller, 70½ per cent.; Samuel Orr, 70½ per cent.

One of the examiners (Dr. Barnes) retired on completion of five years, his place being filled by the appointment of Mr. J. Armstedt Ray, B.A., M.P.S.I.

Pharmaceutical Licence Examination.

	1910	1911	Decrease
Candidates ...	108	102	6
Rejected ...	68	67	1
Passed ...	40	35	5

The following candidates passed with honours: Malachy J. O'Callaghan, 88½ per cent. (awarded the gold medal); Alphonsus Kerr, 73½ per cent.; Henry Francis Moore and Wm. James Rankin, 73 per cent.; Margaret Toher, 71½ per cent.; Wm. McAuliffe, 70½ per cent.; George Henry Hadden, 70 per cent.

Two members of the Board of the Pharmaceutical Licence Examiners, Dr. E. Whitley Allsom, M.P.S.I., and ex-President William N. Allen, M.P.S.I., had retired, having held their appointments for the full term of five years. Their successors are Dr. James S. Ashe, M.P.S.I., and Mr. James Guiler, M.P.S.I. *En passant* it might be interesting to mention that Mr. William N. Allen headed the list of elected members in regard to length of membership, having been elected May 3, 1876. During the long period which has intervened there has been no break in his membership, nor in the practical interest he has evinced in the Society's work.

Pharmaceutical Assistant Examination.

	1910	1911	Increase
Candidates ...	8	13	5
Rejected ...	3	5	2
Passed ...	5	8	3

It is matter of surprise that so few candidates enter for the Pharmaceutical Assistant examination, as it would

seem to be a strong inducement to know that, in the words of Section 19 of the Act of 1890, "such assistants as shall pass such examination shall be competent to transact the business of a licentiate of the Pharmaceutical Society in his temporary absence." To have such a qualification ought to be very advantageous to many pharmaceutical students during the interval between the completion of the term of service and their qualification as pharmaceutical chemists.

Mr. Fawcett Maxwell, M.P.S.I., having resigned, Mr. Victor E. Hanna, M.P.S.I., was elected his successor as examiner for the Pharmaceutical Assistant diploma.

Registered Druggist Examination.

	1910	1911	Increase
Candidates	29	42	13
Rejected	18	25	7
Passed	11	17	6

Mr. James Guiler, M.P.S.I., having completed the full term of five years as R.D. examiner, Mr. James Dundee, M.P.S.I., was appointed his successor.

THE SCHOOLS.

	1910	1911	Decrease
School of Chemistry.			
Number of Students ...	19	15	4
School of Botany and Materia Medica Students ...	35	34	1
	54	49	5

Prizes were awarded to the following:

Chemistry School.

1st		2nd	
Miriam E. Hanna ... 80 %		Jas. S. Collins ... 75 %	
Mr. J. Keating ... 80 %		Robert Dore ... 70 %	

Materia Medica Class.

1st		2nd	
Joel Green ... 78 %		Miriam E. Hanna .. 76 %	

Botany Class.

1st		2nd	
Mark Duan ... } 72 %		Nil	
Richard T. Taylor } 70 %		Nil	
Jas. S. Starkey ...			

Proceeding to speak of the work of the year, Sir William said the applications for recognition from several prominent technical schools which had been before the Council were again under consideration during the past year; but the Council saw no reason for receding from the position already taken up, and none of the applications were acceded to, the reasons being that "present facilities are sufficient, supervision is impossible, and past experience of technical schools is not good."

PROSECUTIONS.

Three registered druggists were fined 10*l.*, 6*l.*, and 5*l.* respectively for compounding medical prescriptions. The Council greatly regrets the necessity of instituting these proceedings, but they must be undertaken to preserve the rights of pharmacists from encroachment, many complaints of which are received. The cases for illegal sale of poisons included a County Council licensee, who apparently thought his licence would "cover a multitude of sins." Thanks, however, to the vigilance of a Constabulary officer, the Society was enabled to secure his conviction, with the imposition of a penalty of 6*l.*

PARLIAMENTARY.

The proposed new legislation—viz., the Shops Bill, the National Insurance Bill, and the Poisons and Pharmacy Bill, 1911 (Captain Craig's)—has received careful attention, the Insurance Bill especially being responsible for much activity by the Law Committee and by individual members of Council, and it is fully expected that in the result the rights of Irish pharmacists will be fully safeguarded. The consideration of Captain Craig's Bill is in the hands of the Law Committee, which can be depended upon to take the proper steps. The President, concluding, said:

And now, gentlemen, I cannot help saying that when we have now on our Register 1,758 names, and consider that in January 1876 not a single name was enrolled—when 1,015 of them are qualified to fill medical prescriptions and 743 to sell poisons (as registered druggists)—that when these are scattered over every county in Ireland, they form a band of men who can, without any addition of County Council "makeshifts," supply the wants of every city, town, or

village, or farmer's homestead with every article of a poisonous nature they require. I consider it was an injustice to these men compelled by Government to pass a course of examinations, and those, too, of a searching and difficult character, to take the very means of livelihood from them and give them to those who were outside the Register, who never complied with the legal restrictions which are enforced on the more intelligent and law-abiding licentiates of our Society. With all our difficulties, however, the prestige and numbers of our Society are yearly increasing. The educational standard has been very properly made such as to make every pharmacist feel a pride in his profession and to render the term of "Irish Pharmacist" a synonym for an educated Irish gentleman. That standard, I feel sure, you will never lower, but that you will preserve the honourable traditions which have been handed down to us by Sir Dominic Corrigan, Sir George Owens, and Sir Edward Hodgson, your late Treasurer. I thank you very much for the courtesy and kindness you have shown me during my term of office for the past year, which will always remain a very pleasant memory so far as I am personally concerned. (Applause.)

Sir William Baxter was cordially thanked for his address.

PRESENTATION OF A GOLD MEDAL.

The PRESIDENT, in presenting the gold medal to Mr. Malachy J. O'Callaghan, Ph.C., said he thought it was very creditable to the Council that they had established the rule of giving a gold medal to the young man who passed all the examinations and obtained for the year the highest marks. It gave him special pleasure to hand over the medal on this occasion to Mr. O'Callaghan, who had obtained the remarkable percentage of 88½. Mr. O'Callaghan acknowledged the compliment in graceful language.

STATEMENT OF ACCOUNTS.

Mr. BEGGS (Hon. Treasurer) said it might be in the recollection of some of the members present that at their last annual meeting it was suggested that a summary of the accounts of the Society should be sent out with the voting papers, so as to be in the hands of each of the members a week or four days prior to the annual meeting. This had been done, and he offered to give any information that might be desired. One item that he would call attention to was the seemingly small balance to their credit. It was only 57*l.*, while in the previous year they had a balance of 108*l.* He could account for the difference by the fact that they closed their summary this year prior to the October examination, so that the examination-fees were not included in the summary of accounts. If they were included it would increase the amount, as they had in bank on September 30 138*l.* instead of 57*l.* There was a small deposit fund since last year, but then they had an extra expenditure of 56*l.* for sewerage, etc., when they had to get the premises done up, which, of course, would more than balance that. The Council had cut down the travelling expenses of the country members to, he thought, the rock bottom. He did not think they could get them much lower. From 57*l.* in 1910 they were down to 50*l.* The law expenses and Parliamentary expenses, amounting to 131*l.*, seemed very high. That covered an item of 99*l.* 10*s.* 11*d.* for the year 1911 alone. The money capital was the same as last year. He had the bank receipt for 1,800*l.* 2*s.* 5*d.* After comparing income and expenditure in connection with the School of Chemistry this year, they had a balance on the working to their credit of 5*l.*, and in the case of the Materia Medica School they had a balance of 26*l.* 6*s.* 9*d.*

The PRESIDENT: That is very satisfactory.

Mr. WELLS said the premises and the furniture were now up to first-rate condition. The expenditure that had been incurred was necessary both for the health of the students attending the classes and those living in the house. The accounts had been in the hands of the members, and if there was any point on which they would like information he would be happy to give it to them.

Mr. WATSON moved the adoption of the reports, and said he thought it was undoubtedly a good plan to have these reports circulated beforehand.

Mr. BATT seconded the motion, which was unanimously adopted.

CHARGE AGAINST THE REGISTRAR WITHDRAWN.

A discussion took place in reference to charges made by Mr. M. O'Donnell, M.P.S.I., Vice-President of the

Irish Chemists' Assistants' Association, against Mr. Arthur T. Ferrall, Registrar and Clerk to the Council of the Society.

A letter on the subject was submitted from the Chemists' Assistants' Association.

The PRESIDENT said he need scarcely say that it was a matter of regret to him personally that any friction should occur during his term of office. He had heard of this friction for the first time since he had come into the room. He was sure it was unintentional. It certainly was unintentional on the part of all connected with the Council. He would like to hear Mr. O'Donnell before they took any action in the matter. Perhaps Mr. O'Donnell was under a misapprehension with regard to the discourtesy which he seemed to think was displayed towards him.

Mr. WELLS said he was going to ask that they might have some evidence of the supposed discourtesy. He hoped some of the gentlemen concerned would give them that information, and then probably they would be able to show that there was no discourtesy.

Mr. O'DONNELL said he rang Mr. Ferrall up on the telephone on September 11 with reference to the election for Councillors, and asked him for full particulars. Mr. Ferrall said he should get a proposer and seconder. He asked Mr. Ferrall was there any recognised form, and Mr. Ferrall said "No," that he (Mr. O'Donnell) should get a proposer and seconder and send in his application. That was on September 11. He rang Mr. Ferrall up three days later—on the 14th—and asked when was the last day for applying. Mr. Ferrall said Wednesday week. That would have been on the 20th. So in order to be in time, he (Mr. O'Donnell) posted the letter two days before, on Monday, the 18th. Then he had a letter from Mr. Ferrall stating that he regretted very much that his application was late. He wanted to know why Mr. Ferrall said that he had plenty of time till the following Wednesday week. He (Mr. O'Donnell) did not come there in any spirit of antagonism to the Society—he came to get justice.

Mr. FERRALL (Registrar) said he denied the statement that Mr. O'Donnell had made *in toto*. When Mr. O'Donnell spoke to him he told him what he had told others, that twelve o'clock on Monday was the latest time for receiving the nomination, and that it should be accompanied by a letter from him (Mr. O'Donnell), stating that he would serve if elected. Mr. O'Donnell had a copy of the Calendar, and if he had any doubt in his mind he might have referred to that.

Mr. BATES (Hon. Secretary Chemists' Assistants' Association) said he had known Mr. Ferrall for a long time, and he had never known him to be discourteous to him during all that time.

Mr. WATSON said he thought it was futile to argue as to what had taken place on the occasion of a telephonic communication, considering that Mr. O'Donnell had a copy of the Calendar containing all the information necessary. He would be glad if they had a statement from Mr. O'Donnell as to whether the report that had been published was a fair statement of what had taken place at the Chemists' Assistants' meeting, because if it was he did not think they should go beyond allowing Mr. O'Donnell to state his case there. Mr. O'Donnell had imputed base motives on practically no ground, and although Mr. Ferrall required very little in the way of defence from any member of that Council, there might be people in the country who did not know Mr. Ferrall as well as they did, and it was therefore well to have the matter discussed. It was impossible that Mr. Ferrall could be guilty of any discourtesy. They knew that, if anything, Mr. Ferrall was rather inclined to give more care to some inquirers than they deserved. In this case he (Mr. Watson) was satisfied that Mr. Ferrall gave any information that was possible.

Mr. WELLS said he did not want to impute to Mr. O'Donnell that he said what was not true. Mr. O'Donnell did believe that Mr. Ferrall said what he (Mr. O'Donnell) said he had said, but it was an everyday occurrence that conversations over the telephone were unsatisfactory. He (Mr. Wells) was perfectly confident that Mr. Ferrall never said any such thing as Mr. O'Donnell had suggested, for

the simple reason that Mr. Ferrall knew his duty, knew the regulations of the Society, and would hardly be likely to mislead anybody. As to the charge of discourtesy he (Mr. Wells) could say that a more courteous or more pains-taking man, one more ready to give assistance to the humblest apprentice who came to the office, could not be found than Mr. Ferrall, and he defied them to point to any man in the City of Dublin who was more so.

After some further discussion,

Mr. O'DONNELL said that he believed what he had said to be true at the time. He had gone to a great deal of trouble and expense about going forward for the membership of the Council, and from what he understood Mr. Ferrall to say, he thought he had plenty of time up to the following Wednesday. He thought that Mr. Ferrall was abrupt in the telephonic communication, but having heard what Mr. Ferrall had said, if there were any misstatements in what he had said he withdrew them and he apologised. (Applause.)

The meeting then terminated.

Council-meeting.

THE Council met at 67 Lower Mount Street, Dublin, on Wednesday, October 4. Mr. D. M. Watson (Vice-President) presided, and there were also present Dr. Charles J. B. Dunlop, Messrs. J. E. Connor, James Tate, Thos. Nicholson Moffitt, Wm. Doig, Wm. J. Hardy, G. D. Beggs, Wm. Jameson, John Smith, W. F. Wells, and J. M. Bowden. Mr. H. V. Goldon telegraphed, "Regret unable to attend meeting owing to strike. No train."

ELECTION OF OFFICERS.

THE CHAIRMAN, in proposing the election of Sir William Baxter as President for the ensuing year, thought they were extremely fortunate in having Sir William as President for last year, and they would be honouring themselves in electing him for another year. Notwithstanding the fact that Sir William lived so far away from Dublin and had so many calls upon his time and so many other public duties to perform, he had been with them a great deal oftener than they could have expected him. His (Mr. Watson's) relations with Sir William Baxter had been of the very best during the year, and he had very great pleasure in proposing that he be elected as President for the ensuing year.

Mr. BEGGS, in seconding, said there was probably no member present who would not like to express his opinion of the high esteem in which Sir William was held. Sir William was both an ornament to the Society and an honour to them.

The motion was carried unanimously.

Mr. WELLS proposed the re-election of Mr. Watson as Vice-President. He said that in the President they had got a gentleman who had performed his duties in a most satisfactory manner. Sir William Baxter had been for a quarter of a century a member of the Council, and he had always shown a very great interest in their work, and he esteemed it a very high honour that the Council elected him last year to fill the chair, and he would equally esteem the honour of having been re-elected that day. But he felt sure Sir William would not accept the office were it not that he knew that their Vice-President would take his place in his absence, and he left a great deal in the Vice-President's hands. Mr. Watson had acted during the year as an able Vice-President, and he felt sure that as time went on he would prove himself still more worthy. He had therefore very great pleasure in proposing Mr. Watson as Vice-President for the coming year.

Mr. JOHN SMITH seconded, also commending Mr. Watson's work.

Mr. WELLS put the resolution, and it was carried unanimously.

Mr. WATSON, in a brief speech, returned thanks.

Mr. CONNOR proposed that Mr. Beggs be re-elected Hon. Treasurer. Mr. TATE seconded, and remarked that Mr. Beggs had been thirty-four years a member of the Council, adding that he is eminently qualified for the position, taking a great interest in the finances of the Society, and being thoroughly well up in all the details. The motion was carried unanimously.

On the motion of Mr. Jameson, seconded by Mr. Smith, Messrs. Batt and Bowden were elected auditors for the ensuing year.

ELECTION OF COMMITTEES.

The following committees were elected :

Law Committee: Dr. Chas. J. B. Dunlop, Dr. J. A. Walsh, Messrs. Thos. Batt, G. D. Beggs, Richard Blair, Wm. J. Hardy, Thos. N. Moffitt, John Smith, James Tate, W. F. Wells, and James Michie.

Committee to Inspect Candidates' Certificates: Dr. Walsh, Messrs. Batt, Beggs, Smith, and Wells.

House and General Purposes Committee: Dr. Dunlop, Dr. Walsh, Messrs. Batt, Beggs, Bowden, Hardy, Michie, and Smith.

School Committee: Dr. Walsh, Messrs. Beggs, Bowden, Hardy, Michie, Moffitt, Smith, and Tate.

Committee to Examine Declarations, etc., of Candidates for Examination and Registration as Registered Druggists: Messrs. Batt, Doig, Jameson, Smith, and Wells.

MEMBERSHIP.

On the motion of Mr. WELLS, seconded by Mr. GOLDON, the following were elected members of the Society :

Mr. Henry Fergusson, Ph.C., 50 Drumcondra Road, Dublin.

Mr. William McKane, Ph.C., The Medical Hall, King Street, Ballina, co. Mayo.

Mr. Dominic Walshe, Ph.C., Portumna, co. Galway.

Mr. David Warwick, Ph.C., Thornleigh, Parkgate, co. Antrim.

On the motion of Mr. MOFFITT, seconded by Mr. TATE, the following were nominated for membership :

Mr. James Allen, Ph.C., 14 Bow Street, Lisburn.

Mr. Wm. Mitchell Keys, Ph.C., 23 Lawrence Street, Belfast.

Mr. Matthew McDonald, Ph.C., Donegall Pharmacy, Donegall Street, Belfast.

Mr. R. W. McKnight, Ph.C., Apothecaries' Hall, Carlisle Circus, Belfast.

Mr. McRyan, Ph.C., 4 Winthrop Street, Cork.

Mr. Matthew B. Widdess, Ph.C., 118 George Street, Limerick.

CHANGES OF ADDRESS.

The following sent communications notifying changes of address, as follows :

Major R. J. Blackham, R.A.M.C., Ph.C., to Lyncroft, Holmesdale Road, Kew Gardens, London, S.W.

Mr. T. Beatie to Goodbrooke, Greystones, co. Wicklow.

Mr. W. W. Bennett to The Medical Hall, Lucan.

Mr. A. Morris to The Pharmacy, 139 Ravenhill Road, Belfast.

Mr. Richard A. Wilson to Leeson Street Pharmacy, 1A Upper Leeson Street, Dublin.

This was all the public business.

Preliminary Examination.

The following are the results of the recent examinations : John Edward Devitt, Belfast, passed with honours. The following also passed : Michael Kennedy, Dublin ; Francis Patrick McDonnell, Blanchardstown, co. Dublin ; Christopher Henry Williams, Castleknock, co. Dublin ; David Eppel, Dublin ; Walter McFarland, Gorey ; Roland Weir, Belfast ; Florence Gertrude Doran, Belfast ; Eugene Hartnett, Boherbee, co. Cork ; David Dillane, Newcastle West, co. Limerick ; Joseph White, Castleblaney ; Thomas Lavery, Belfast. Four candidates were rejected.

THE imports of chemical and pharmaceutical products into German South-West Africa during 1910 amounted to m.717,947, against m.559,785 during 1909.

BRITISH CONSUL COCOTO, in his report on the province of Lecce for 1910, states : "The *peronospora* took a firm hold on the southern parts of this province during the spring of 1910, and the proprietors, already in strained financial circumstances, fearing to cripple further their limited resources by expending relatively large sums on treating the growing vines with sulphate-of-copper washes, did little or nothing, hoping for the best ; but unfortunately nearly one-third of what would otherwise have been a fine vintage was lost. The hard experience of 1910 has served as a lesson, and during the present year (1911) the vines have been liberally treated with sulphate of copper and the leaves and fruit with sulphur."

The Druggist's Occupation's Gone.

A PUBLIC MEETING under the auspices of the Psycho-Therapeutic Society was held on the evening of October 2 at the Caxton Hall, Westminster, at which Mr. George Spriggs, the President, occupied the chair. All the speakers agreed in one particular : The Society is making progress, slow, they admitted, but still—progress. Dr. J. Stenson Hooker, L.R.C.P., L.R.C.S., made one rather startling suggestion, viz., that a surgical operation should be performed on the heads of members of the medical faculty who do not quite see eye to eye, with him in things psycho-therapeutic. Speaking of the magnetic treatment of diseases he said :

"It is very curious, interesting, and satisfactory to know that the very latest researches in this line which have been carried out on a strictly scientific and physical basis have confirmed, fully confirmed, your knowledge and my knowledge on the subject. Not only have they confirmed our knowledge, but they have confirmed, without the shadow of a doubt, the knowledge which has existed in all unbiassed and unprejudiced minds since disease has had any medical treatment whatsoever. . . . It is most encouraging to think that you, rank outsiders, and myself and others who are little better, I am afraid—(laughter)—have been inculcating principles and employing methods for years past which are at length being recognised by a very confirmed, determined, and conservative body of men. I was reading only a little while ago a book from America where it was actually suggested that the human skull should be opened in order that the brain might have due expansion—that is, supposing that we have got any brain. (Laughter.) In all seriousness, I believe the idea has been carried into practice in some hospitals in America. I do not know what our phenologist friends think of it, but I would say that, willy-nilly, the brain will expand if you develop it on proper lines, and the skull with it. I do wish some of our medical men would consent to have their skulls thus treated—not to expand their brains, because I admit that they have got plenty, but to expand their minds. (Laughter and applause.) That is what is wanted. They want some operation, something very strong indeed, some powerful measure, by which they themselves may be able to see what you and I and thousands of others have seen for so long a time."

Dr. Robert Bell, in the course of some observations, contended that some kind of mental treatment of maladies had always been recognised by the human genus. Referring to the treatment of certain diseases by the injection of sea-water, he said that, although it had been hailed by the daily press as entirely new, he had used it very largely for quite four years. He had used gallons in his practice, and in many instances had injected as much as eight and ten ounces at a time three or four times a week into one individual. The treatment had many excellent qualities, but he was bound to confess that the effect was not permanent but merely transient. Certain diseases were increasing in virulence and number as the result of constipation. As a cure for this he advocated the abandonment of butcher-meat and the substitution of fruit, vegetables, and cereals in their normal uncooked condition. This cure could be supplemented by a very simple process. He knew of nothing which had such an excellent effect upon constipation as West Indian treacle extracted from cane-sugar. This had cured many an obstinate case. A little taken after each meal and a tablespoonful at bedtime would make the bowels respond regularly.

Dr. L. Forbes Winslow, in responding to a vote of thanks, said : "I felt, to a certain extent, an impostor to-day. In passing through the Medical Exhibition, and seeing all the various remedies, I put my name down for various samples to be sent to me, chiefly those referring to nervous diseases. Sitting here this evening the following little parody on Othello's farewell occurred to me :

"Farewell ! ye castor oil, ye rhubarb-pill ;
Farewell ! ye compound of jalap, which, when ill, I took—
A long farewell I give to thee !
And ye narcotics, which, for many a night,
I've been supplied with in my sleepless plight,
A long farewell. No one need mourn,
The poor old druggist's occupation's gone."

This recital created loud laughter, in which the C. & D. representative joined.

MEDICAL GLEANINGS.

Satinwood Dermatitis.

A LONG and interesting article by Dr. J. Theodore Cash on the dermatitis produced by East Indian satinwood—*Chloroxylon Swietenia*—is published in the "British Medical Journal" for October 7. The active principles of the wood are stated to be an alkaloid (chloroxylonine), two resins, a fixed oil, a peculiar protein compound, and calcium oxalate. To the first three the irritant action has been traced in varying degrees. The most satisfactory application for relieving the irritation of the skin was found to be ung. glyc. plumbi subacetatis. Purely sedative applications are of much service in the earlier stages, but an ointment such as ung. veratrinæ cannot be safely used after damage to the epithelium has supervened. Internally 15-gr. doses of potassium bromide at bedtime are useful and 2 gr. of opium is required to procure cessation of the violent cough.

Treatment of Rodent Ulcer.

DR. ALBERT CHURCHYARD has been very successful in treating cases of rodent ulcer with calcio-phosphate of uranium, a mineral of great radio-activity. It is necessary to prove that the sample contains a definite amount of radio-activity, and a method which is regarded as the lowest standard of efficiency is given in the paper in "The Lancet." After proving that the calcio-phosphate of uranium is sufficiently radio-active, place a piece of lint over the ulcer and let the mineral rest on this for three hours each day, which after a week can be increased to four or five hours. If any dermatitis is produced in the surrounding tissues leave off the treatment for two days, and then apply for an hour, or two hours only, for the first week, after which increase the time gradually. It is wise to wrap a piece of lint or bandage round the mineral and to keep this on permanently because the yellowish-green crystals of the calcio-phosphate of uranium are easily broken and detached from the matrix on which they are deposited, and would therefore depreciate the radio-active power of the mineral. The value of the treatment is this: (1) It is not expensive, as is the case with radium bromide, and is therefore within the means of any general practitioner; (2) the mode of treatment is so simple that patients can be treated in their own homes, the case being left in charge of a nurse after the general practitioner has seen that the mineral is properly applied and in the position required.

Medical Uses of Camphor.

THE "British Medical Journal" publishes an abstract of a long article by Lemaire ("Gaz. Hebd. des Sci. Méd. de Bord.") on the dosage and toxicity of camphor. Camphor may be used internally as a stimulant, cardiac tonic, nervous excitant, antispasmodic, diaphoretic, antiparasitic, bactericide, antitoxic, antilactagogue, and anaphrodisiac. Externally it may be employed as an analgesic, antiseptic, and local stimulant. The dose in adults varies from 0.10 to 1 gram, hypodermically 0.50 gram per diem in divided doses. In children the doses are as follows: 0.005 to 0.01 gram to fifteen months, 0.01 to 0.05 gram from fifteen months to three years, from 0.05 to 0.10 gram from three years to five years, and 0.05 to 0.15 gram from five to ten years of age. In tuberculosis it is useful in certain acute forms with febrile complications, and in chlorotics and anæmic persons in injections of 1 c.c. of oil, increasing every day by 1 c.c. Siebert recommends it in pneumonia every twelve hours in injections of 12 c.c. of oil of camphor 20 per cent., and in pneumonias of old people daily injections of 5 c.c. of the oil (20 per cent.); these doses may be increased to 15 to 20 c.c. Wurtz recommends every three hours injections of 0.50 to 1 c.c. of the oil in alimentary intoxication. In peritonitis it has been found successful in injections into the abdominal cavity of 100 to 300 grams of the oil (1 per cent.). In surgical infections and post-operative shock a dose up to 100 grams of the oil in twenty-four hours has been injected with success.

TRADE REPORT.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, London, E.C., October 12.

BUSINESS continues in a very satisfactory condition in the chemical markets, but crude drugs are on the whole quiet. The principal movements include an advance in citrates; citric acid is very firm, and makers are well sold. Soda tartarata will probably be dearer. Carbolic acid crystals have been advanced $\frac{1}{2}$ d. per lb. Milk-sugar is still being driven up for prompt delivery, but at the high prices quoted, business is quite retail. Menthol is in more inquiry and firmer. Cocaine very steady; thymol is still offered at very low rates, although raw material is dearer. Crude glycerin is weaker in the North, but double-distilled is unaltered. In drugs, balsam tolu still tends upwards. Copaiba is firmer, and Canada balsam cheaper. Both castor and cod-liver oils are weaker in several quarters. Opium is very firm, Persian more so than Turkey. Ergot steady, senega firm, and podophyllum tending upwards. Among seeds, anise continues scarce. Canary is steady and caraway firm. Coriander and linseed are unaltered. Cumin is slow and fenugreek on the spot tending firmer. In the spice department, both mace and nutmegs were dearer at auction. Cochin ginger is held for higher rates, and Zanzibar cloves were lower in auction. Pepper quiet. In drysalteries shellac is steadier at the close, turpentine lower, and turmeric firm for Madras. The principal changes have been as under:

Higher	Firmer	Easier	Lower
Carbolic acid	Ammonia	Cajuput oil	Balsam
Citrates	sulphate	Castor oil	(Canada)
Ginger	Balsam Tolu	(English)	Turpentine
(Cochin)	Casein	Cod-liver oil	
Ipecac. (Cart.)	Copaiba	Glycerin	
Pareira brava	Menthol	(crude)	
	Soy	Shellac	

Cablegram.

NEW YORK, October 11:—Business in drugs is fair. Opium is steady at \$8 per lb. for druggists' in single cases. Hydrastis is nominal at \$5 $\frac{1}{2}$. Peppermint oil is quiet at \$2.95. Senega is steady at 56c., and cascara sagrada is quiet at 9 $\frac{1}{2}$ c. Copaiba is firmer at 39c. per lb. for Central and South American.

London Markets.

ACETONE remains very firm at from 68 $\frac{1}{2}$ to 70 $\frac{1}{2}$ per ton for Government specification quality in original drums, ex wharf. For next year's delivery 65 $\frac{1}{2}$ to 66 $\frac{1}{2}$ is quoted to arrive.

ALOES.—The *Briton*, from Mossel Bay, has brought 57 packages, but no arrivals of other descriptions have taken place.

ANISEED continues scarce, and the price for shipment is still quoted 27s. 6d. per cwt. c.i.f. terms.

ANTIMONY.—The present price of China crude on the spot is 15 $\frac{1}{2}$ to 15 $\frac{1}{2}$ 10s. per ton. What effect the rebellion in China may have on the future position of antimony is as yet difficult to say. There are several prominent mines in

the disaffected area, and we understand the insurgents have wrecked offices connected with the antimony mining industry.

BALSAM CANADA is offered at the cheaper rate of 2s. 5d. per lb. spot in tins and cases, and at 2s. 4d. in barrels.

BALSAM TOLU.—Up to 1s. 10d. per lb. has been paid, and there is a limited quantity still available at this figure, with one holder asking 2s.

BELLADONNA ROOT testing 0.57 per cent. (according to Parry's analysis) is offered at 36s. per cwt. c.i.f. for prompt shipment, and on the spot 0.5 per cent. is quoted 37s. ex wharf. *Herb.*, according to quality, is quoted at 56s. for fine green and 52s. 6d. for second quality.

BENZON.—There have been no arrivals; inquiry for Sumatra is very fair, but buyers' requirements are difficult to fill, owing to absence of suitable qualities. Several cases of Siam ex auction have been sold at full rates, including good siftings at 17l. per cwt.

BUCHU.—The *Briton* has brought 36 packages from Cape Town, 21 of which are for New York, one for Hamburg, and the remainder for London. Market is quiet but firm.

CAMPHOR (REFINED).—Japanese is quiet, with small sales of 2½-lb. slabs at from 1s. 5½d. to 1s. 6d. per lb. on the spot.

CANARY-SEED is steady, but quiet at 46s. to 49s. per quarter for ordinary to good Morocco and 47s. 6d. for Turkish.

CANNABIS INDICA.—The *Crosby Hall* has brought 9 cases from Marnagoa, including 7 cases of siftings.

CANTHARIDES.—Best sifted new Russian flies are quoted at 2s. 8½d. per lb. c.i.f. in cases for prompt shipment.

CAPSICINE.—The makers have advanced their price by 1s. per lb. to 12s. 6d. net, the soluble being unaltered at 6s. per lb. net.

CARAWAY-SEED is firm at 27s. to 30s. per cwt. for common to fine Dutch.

CARBOLIC ACID is firm and fully ½d. per lb. dearer. Crystals, 39° to 40° C., are quoted at from 7¼d. to 7½d., and 35° C. at 7d. to 7¼d. per lb.

CASEIN shows a firmer tendency, the sales including a large parcel of technical at 36l. per ton.

CASSIA OIL is very quiet on the spot, and to arrive easier rates are quoted, comprising 84 to 85 per cent. c.a. 3s. 4d., 75 to 80 per cent. 3s. 1½d., and 70 to 75 per cent. 3s. per lb. c.i.f. terms.

CASTOR OIL.—Hull make is easier, first pressing for prompt to December delivery offering at 29l. 10s., and January-June at 29l. 5s. per ton in barrels, delivered free on wharf London; pharmaceutical quality is 50s. per ton over the price of firsts, and oil in tins and cases is 50s. per ton over the barrel price.

CINCHONA.—It is reported that 2,400 bales, containing the equivalent of 15 tons of "quinine in the bark," have been destroyed by fire on their way to Amsterdam.

CINNAMON.—In further reference to the boom in cinnamon in Ceylon, the "Times" of Ceylon (September 14) states that prices are well maintained, and there have been transactions at 64 cents per lb., usual assortment. Dealers are still quoting 65 cents per lb. for forward contracts.

CITRATE OF LIME.—The arrivals comprise 47 packages from Dominica, and 108 casks from Messina.

CITRATES.—Owing to the advance in citric acid the makers of citrates have advanced their prices by 1d. per lb., the following being the quotations: *Potassium* 1s. 7d. and *Sodium* 1s. 9d. *Ferri et ammon. cit.* 1s. 7d. per lb.; 28-lb. lots are 1d. per lb. less.

CITRIC ACID is very firm, and the makers, both English and foreign, are well sold. English is nominally 1s. 5½d. and 1s. 5d. in second-hands, which is also the price of foreign.

CLOVES.—At auction 63 bales Zanzibar sold without reserve at from 7½d. to 7¾d. for dullish to fair, being cheaper; 18 cases fair unpicked Penang were bought in at 1s. 2d.; privately the market has been flat, with a limited business, including October-December and January-March shipment at 5d. per lb. c.i.f. d/w. Zanzibar on the spot are quoted at 7½d.

COCAINE is very steady at last week's advance to 8s. 9d. per oz. for bottom quantities; second-hands quote 8s. 5d.

A German maker's circular of October 4 states that "considerable purchases at advancing prices on the crude-cocaine market contributed to enliven the demand for the alkaloid, leading finally to rather large contracts. The market is firm with advancing tendency."

COD-LIVER OIL.—There is an easier feeling, with the range of quotations from 113s. to 118s. per barrel c.i.f., according to brand. From Bergen our correspondent quotes 116s. 6d. c.i.f. for finest non-congealing oil.

The "O. P. and D. Reporter" states that a considerable movement is expected to result in the cod-liver oil industry of Newfoundland, following a visit to that country of an expert in the manufacture of cod-liver oil from Norway. This expert has been in Newfoundland for three months, has visited many places of manufacture, and has given full instruction as to how the finest cod-liver oil is manufactured in Norway.

COLOCYNTH-PULP.—A large business has been done, and the market is now bare of cheap parcels; from 5d. to 6¼d. per lb. has been paid for common to fair, the latter being now held at 6½d.; but in another instance 8d. is wanted for good. By these transactions spot supplies have been considerably reduced.

COPAIBA is firmer at 1s. 10½d. per lb. c.i.f. for Maracaibo to arrive. Central American is quoted on the spot at 1s. 11d., and Maranham at 2s.

COPPER SULPHATE is unaltered at 18l. 17s. 6d. per ton for ordinary Liverpool brands for prompt delivery and 19l. 10s. to 19l. 12s. 6d. for spring delivery.

CORIANDER-SEED is unchanged at 15s. 6d. per cwt. for good Morocco.

CREAM OF TARTAR is steady at 88s. per cwt. for 98 per cent. powder, and 86s. for 95 per cent.

CUMIN-SEED is slow of sale at 25s. per cwt. for Morocco.

DENTRIN remains firm at 19l. per ton for fine German on the spot.

DRAGON'S-BLOOD.—The supply of *reed* has been augmented by the receipt of 11 cases.

ERGOT.—The *Amazon* from Vigo has brought 37 packages. Business on the spot has been done in Spanish at from 4s. 7½d. to 4s. 9d. per lb., and at 4s. 6d. for Russian, which is offered to arrive at 4s. 4d. c.i.f.

The following is from the report of a firm of London dealers: "This article is very interesting at the moment, and we think that the 'bear' attacks which were made on the part of a few Continental firms have utterly failed. The article is quiet, but very firm, and so far as the known crop reports go there is absolutely no reason for lower spot prices. Of course, it is always possible that there may be a fairly large crop in Siberia, and that prices may decline later, but it must be borne in mind that delivery of the Siberian crop can hardly reach us before February. Sales to America have been made at full prices, and it does not appear as if that country was holding back."

EUCALYPTUS OIL.—As indicated a fortnight ago, the tendency is firmer, inasmuch as all the cheap lots have been cleared off the market. 1s. 2d. per lb. is wanted for B.P. qualities.

FARINA, like dextrin, remains firm at 14l. 10s. per ton ex wharf for fair quality.

FENUGREEK-SEED has been sold at 10s. per cwt. for Morocco on the spot, but 10s. 6d. is now asked.

GALLS.—Persian remain quiet, blue offering at from 53s. 6d. to 54s. 6d., green at 42s. 6d. to 44s. 6d., and white at 41s. 6d. to 42s. per cwt. on the spot; for shipment, blue offer at 52s. c.i.f.

GENTIAN.—Holders quote 25s. on the spot, and one agent is informed that the price to arrive is likely to be advanced 3s. per cwt., when further parcels have been worked off.

GINGER.—Privately a fair business has been done in washed rough Cochin at from 45s. to 46s. per cwt. At auction 179 bags washed Cochin were bought in at 50s.

GUARANA of fair quality is offered at 7s. 2d. per lb.

GUINEA GRAINS are offered at 97s. 6d. per cwt. on the spot.

GUM ACACIA.—Soudan is quoted at from 50s. to 52s. 6d. per cwt. on the spot for fair hard to half-hard sorts, and to arrive new crop is offered at 46s. per cwt. c.i.f. for

January-February shipment. Supplies of East Indian gums remain very small on the spot, Aden sorts being particularly wanted. The market is also bare of Senegal gum; for Bas de Fleuve business has been done at 48s. 9d. f.o.b. Bordeaux for good quality. The value of Kordofan druggists' quality is about 70s. per cwt.

HYDRASTIS continues extremely scarce at 22s. per lb. net on the spot.

IGNATIUS BEANS for prompt shipment are offered at 1s. 5d. per lb. c.i.f. terms.

IPECACUANHA.—The *Amazon*, from Monte Video, has brought 9 packages of Rio. This description is selling privately at 8s., also Johore at 8s.; 7s. 9d. is wanted for Minas, but Cartagena is now held for 9s., business having been done at slightly less. This description is very scarce on spot, also in Hamburg. It is doubtful if ever before the price of Cartagena has been above that of Rio.

According to the British Consul at Cartagena, the exports of ipecacuanha (known locally as raicilla) from that port during 1910 amounted to 15 tons, valued at 3,807/. The destinations were as follows: U.S.A., 10 tons, valued at 2,658/; Germany, 4 tons, valued at 816/; U.K., 153/; and France, 180/. The value of the exports in 1909 was 7,685/., and in 1908, 3,979/., the quantities not being stated.

JUNIPER BERRIES.—The *Den of Kelly*, from Leghorn, has brought 519 bags.

LEMON OIL remains unchanged, agents offering at 6s. 6d. to 6s. 10½d. per lb. c.i.f., and on the spot good brands are obtainable at from 6s. 7½d. to 7s. per lb. net, according to holder; demand is fair for spot.

A Palermo advice dated October 7 states: The market inactivity, which is no unusual feature at this time of the year, is this season of more importance owing to special conditions of the market, which has been driven up to such a high level. As business was entirely at a standstill this week also, some holders begin to listen more freely to possible bids, and we think medium-sized orders could probably be filled at slightly lower figures than those quoted last week. Naturally, if the demand should set in again, or if heavy orders had to be dealt with, "bulls" would easily have the upper hand again, as they hold most of the available supply. For new crop the same easier position prevails; business is quiet, and with the exception of a few orders which came in from abroad, and could be easily covered, the market has been inactive, as local speculators are holding off.

LINSEED is unchanged for fine qualities. Dutch is quoted 72s. 6d. to 75s. and Morocco 74s. per quarter. In Riga seed of good quality, basis 95 per cent., business has been done at 67s. per quarter afloat and 66s. for October delivery.

LYCOPODIUM.—Best treble-sifted quality is quoted at 1s. 10d. per lb. in cases and 1s. 9½d. in bags for shipment from Russia.

MACE.—At auction West Indian was firm, and 1d. to 3d. per lb. higher, 70 packages selling, including fine hold at 2s. 8d., good at 2s. 5d. to 2s. 6d., ordinary to fair at 2s. 2d. to 2s. 4d., and broken at 1s. 11d. to 2s. 2d. per lb.

MENTHOL.—There has been considerably more inquiry this week, America having been a buyer of spot parcels, for which 15s. 10d. has been paid for Suzuki and buyers. Holders of Kobayashi ask 16s. 3d. to 16s. 6d., with a limited quantity available at the lower figure. To arrive further large sales on bear account have been made, principally January-March shipment Continent at 13s. 7½d. c.i.f. for Suzuki, and oil at 5s. 7½d. c.i.f.

MILK-SUGAR.—The squeeze for prompt delivery continues, and very high prices are being quoted. It is reported that 72s. 6d. has been paid for American on the spot.

MORPHINE remains very firm, and although the makers' price for hydrochloride powder is 11s. 6d. per oz., they are quite unwilling to book large contracts. In second-hands, 11s. has been paid, but sellers now ask 11s. 3d. to 11s. 4½d. per oz.

MUSK is unaltered, with sellers of fine blue thin-skin pile I. Tonquin pod at 67s. 6d. per oz., and old style at 54s. to 55s. Pile III. is scarce, blue thin-skin being worth 55s. and old style 35s. per oz. China Cabardine is worth 25s., and Russian 17s. to 18s. per oz.

NUTMEGS.—At auction 320 packages W.I. offered and sold, small sizes being ½d. to ¾d., and large sizes 1d. per lb. higher.

OLIVE OIL.—The British Acting-Consul at Malaga reports, under date September 20, that the olive oil production in that district promises to be considerably above the average, and the quality, judging from the present appearance of the olives, should be excellent. Prices are at present firm in general, but have a tendency to decline. Reports from private sources regarding the forthcoming crop appear to be very conflicting. Some say the drought has wrought considerable damage, and that prices will be dearer; on the other hand, others say the crop will be a record one.

OPIUM.—The primary market for Turkey opium is nominally 1s. easier, for the reason that during the present warlike operations between Italy and Turkey business to arrive is at a standstill, as the risk and uncertainty attending the successful conclusion of contracts is too great to warrant business at the moment. Spot druggists' is worth 25s. 6d. per lb. On the other hand, Persian opium is very firm, with a very limited quantity obtainable at 27s. per lb.

Writing on September 29, a Smyrna correspondent states that the sales this week amount to five cases old extra Karahissar for America at 25s. 9d. per lb., and ten cases new ditto for the Continent and England at 23s. to 25s. 6d. We are pleased to report that a fair quantity of rain has fallen during the week, which we believe has been pretty general throughout the country. The arrivals amount to 737 cases, against 3,420 cases at the same date last year.

A Smyrna advice dated September 30 reports that "the stock in Smyrna is estimated at 800 cases, and that there are about 400 cases to come down from the interior. If one takes into consideration the normal consumption requirements and the appreciable reduction in the stocks in the principal European and American markets, this 1,200 cases will be quite insufficient to serve up to June 1912, when the next crop is due. The sales during September amounted to 254 cases, and the arrivals in Smyrna since the opening of the new season amount to 737 cases, against 3,420 cases at the same date last year.

PEREIRA BRAVA.—The price asked for the parcel ex last week's auction is now 7/ per cwt.

PEPPER.—At auction nothing sold, the bought-in lots including fine Tellicherry at 6½d. and Lampong at 5½d. Privately sellers of fair Singapore ask 5½d. Of White pepper at auction, 45 bags Muntok character were bought in at 10d.; privately fair spot Singapore is quoted 8½d., with a dull market for all descriptions to arrive, sellers quoting October-December shipment at 7½d. c.i.f.

PEPPERMINT OIL.—The market for American tin oil remains firm, the current business applying to second-hand parcels at unchanged rates. Agents continue to quote from 12s. 6d. to 12s. 9d. net on the spot. H.G.H. is 15s. 6d. London terms. In Japanese, sales of Suzuki for January-March shipment Continent have been made at 5s. 7½d. c.i.f., and on the spot 6s. 3d. to 6s. 6d. is quoted, with little offered.

The exports from Japan during July amounted to 8,038 kin, valued at 26,551 yen. During the seven months ending July the exports have been:

	1909	1910	1911
Kin ...	95,123	92,617	84,387
Yen ...	278,087	283,336	282,223

PINE-NEEDLE OIL is offered at 7½d. per lb. for prompt shipment from Russia in 1-cwt. drums.

POTASSIUM IODIDE.—The exports from Japan during July amounted to 3,666 kin, valued at 16,719 yen. During the seven months ending July the exports have been:

	1909	1910	1911
Kin ...	10,735	6,023	7,839
Yen ...	50,210	29,084	38,419

Of crude iodine the exports during July were nil. During the seven months they have been, 1909, 10,735 kin or 50,210 yen; 1910, 6,023 kin or 29,084 yen; and 1911, 7,839 kin, or 38,419 yen. Potassium iodide of Japanese make is quoted at 7s. 4d. per lb. on the spot, and at 7s. 3d. to 7s. 3½d. c.i.f. to arrive.

POTASSIUM PERMANGANATE continues firm and scarce, with small crystals offering at 38s. per cwt. on the spot. Makers are not yet in a position to offer for next year's delivery.

QUICKSILVER.—The market is referred to editorially. Meanwhile the price in second-hands has declined 6d. per bottle to 8l. 7s.

QUININE is quiet but steady at 6½d. to 7d. per cz. for the usual German brands, 6½d. to 6¾d. for Amsterdam, and 6½d. for Java. At the Amsterdam auction on October 6, 1,417½ kilos. (50,000 oz.) Ed. II. were sold at an average price of fl. 10.27½ per kilo, against fl. 10.66½ at the previous auction. The next auction will be held on October 20, and will consist of 1,417½ kilos. (50,000 oz.).

RHUBARB.—Canton is scarce, and rough round high-dried is unobtainable on the spot; for shipment, business has lately been done in flat high-dried at 8d. per lb. c.i.f.

SARSAPARILLA.—The arrivals this week comprise 17 bales of grey Jamaica, 12 bales Lima-Jamaica, and 7 bales red native.

SENNA.—The *Clan Ferguson* has brought 350 bales from Tuticorin.

SHELLAC.—Spot trade remains quiet, with a rather firmer tone during the last day or two, but is easier on the week; TN orange sells on the basis of 65s. to 66s. for fair, 64s. for October-December shipment, and A.C. Garnet 61s. 6d. for December-January shipment.

SOY.—For Wochan 1s. 4½d. per gallon has been paid, being an advance of ½d., while other brands are offered at 1s. 3½d.

TARAXACUM.—Very little foreign is offered as yet, and the value is indefinite. English is said to be small in size of root and quantity this year, and will probably be offered at about 37s. 6d. per ewt.

TARTARIC ACID is unaltered at 1s. 0¾d. for foreign and 1s. 1d. to 1s. 1½d. per lb. for English.

THYMOL continues to be offered at very low rates, although raw material has advanced, from 4s. 1d. to 4s. 2d. per lb. c.i.f. London is quoted according to quality.

TRAGACANTH remains very firm, and the high prices asked are being paid.

TURPENTINE declined sharply by 9d. per ewt. at the close of the week, and to the extent of 3d. subsequently, closing at 36s. 9d. for American on the spot.

WAHOO BARK OF ROOT is 1d. dearer than when last quoted, 1s. 9d. net being asked.

Manchester Chemical Market.

Manchester, October 10.

Although the demand may be described as normal, it remains quietly steady. A fair business is being done in caustic soda, ammonia alkali, etc., and this tends to keep up the prices of bleach. Caustic soda for early delivery is quiet, but over 1912 the demand is better. Quotations are: 76 to 77 per cent., 10l. 7s. 6d.; 70 to 72 per cent., 9l. 12s. 6d.; 60 to 62 per cent., 8l. 12s. 6d., in 5-cwt. to 7-cwt. drums, all on rails at works. Crystal carbonate is quoted 6l. 12s. 6d. to 6l. 15s. per ton, in 2-cwt. bags, on rails. Soda crystals are quoted 52s. 6d. to 55s., in 2-cwt. bags. Borax is quiet. Montreal potashes in moderate request at 39s. to 40s.; pearl, 42s. to 43s.; Canadian, 34s. to 35s. Chlorate of potash, 3½d. to 4d. Bleaching-powder for 1912 is quoted 4l. 15s. to 5l. 6s. 8d. in casks for export prompt delivery, and on contract 4l. 2s. 6d. to 4l. 7s. 6d. Sulphate of copper is fairly steady, but forward the position is very uncertain. Ordinary quotations are 19l. 10s. to 19l. 17s. 6d. per ton, delivered Manchester. Solvent wood-white colourless naphtha is quoted 2s. 7d. to 2s. 8d., while miscible is about 2s. 10d. to 3s. Lead salts are in request. White powdered arsenic is easier, and nitrate of lead rules higher. Oxalic acid tends upwards. Sulphur is steady; flowers, 8l. 10s., in 2-cwt. bags; roll, 6l. 12s. 6d., in 3-cwt. barrels; rock, 5l. 5s., in 3-cwt. bags; and recovered, 4l. 15s. to 4l. 17s. 6d. per ton on rails. White acetate of lead in fair request at 23l. to 23l. 15s. per ton. There is a steady movement in coal-tar products. Sulphate of ammonia is quoted 13l. 15s. to 13l. 17s. 6d. per ton on rails Manchester. Green olive-oil soap in small supply at 22l. 10s. to 23l. per ton for 56 to 58 per cent., ex store Liverpool. In glycerin, values are irregular, but on the whole the tendency is easier, and business is passing in good English 30-per-cent. crude at 57l. to 58l. per ton, both prompt and forward. Distilled continues slack, and 1,260 pale can still be obtained around 94s. per cwt., delivered Lancashire, less 2½ per cent.; B.P. quality is well held for full convention limits. Greases are easy: brown bone, 27s. to 27s. 6d.; white bone, 28s. to 28s. 6d.; marrowfat, 29s. to 30s.; brown and white skin not offering—all at makers' works or landing-port, less 2½ per cent. The demand for castor oil is improv-

ing, and a fair trade passing at undermentioned prices. The seed-market is weaker on more favourable news, but there is no pressure to sell. English first-pressing for October-December delivery is quoted 28l. 17s. 6d. to 29l.; January-March, 28l. 15s. to 29l. f.o.r. Hull, less 2½ per cent., barrels included (seconds, 1l. per ton less). French first-pressing, 30l.; seconds, 28l. 10s. f.o.b. Marseilles, barrels included, less 1½ per cent. Indian, good seconds Calcutta, in cases, 3½d. to 3¾d. per lb. ex-quay store Liverpool, less 2½ per cent. American cottonseed scap, 65 to 66 per cent., in barrels, ready for prompt delivery, 16s. to 16s. 6d. f.o.r. Liverpool, net cash; special prices for shipment. It is now certain that in farina we have to face one of the dearest seasons on record, the position being about the worst since the Franco-German war. The shortage of potatoes in Germany alone is estimated at 2,000,000 tons, and Holland is also below the average. Moreover, owing to the lack of water it is doubtful whether the Dutch makers will be able to fulfil their contracts during the early months, so the position is very critical. Superior German spot is quoted 16s. 6d., forward 17s. per cwt., ex store Manchester; superior Dutch, 14s. 6d. to 15s. f.o.r. Goole-Manchester; seconds, 12s. f.o.r. Goole, all net cash. Stearin is firm, Continental white distilled offering at 39l. 17s. 6d. to 39l.; 115° to 117°, 36l. 17s. 6d. to 37l.; 130° to 131° saponified, 41l. 2s. 6d. to 41l. 5s. c.i.f. U.K. ports, net cash. White cottonseed, 42°, 28s. 6d. to 28s. 9d.; 36°, 27s. to 27s. 6d., ex quay, Manchester-Liverpool, less 2½ per cent.

Heavy Chemicals.

The general tone of the heavy-chemical market continues very satisfactory, and there is considerable activity both on prompt and forward account. Main alkali products are very steady and in demand, and mention may be made that last month's exports of soda-compounds stand exceptionally well as compared with 1910 and 1909, showing important advances. Values keep steady, and in view of the fact that manufacturers are faced with higher working costs all round possible changes seem more likely to be upward than otherwise.

SULPHATE OF AMMONIA.—This market is somewhat firmer again, and prompt parcels are well taken up. There is a fair inquiry from abroad, and higher figures are anticipated. Present nearest: Beckton, prompt, 25-per-cent. ammonia guaranteed, 13l. 15s.; London terms, 13l. 7s. 6d. to 13l. 10s.; Leith, 14l. 7s. 6d.; Liverpool, 14l. 3s. 9d. to 14l. 5s.; and Hull, 14l. 2s. 6d. Little or nothing is being done in late forward.

BICHROMATES OF POTASH AND SODA quietly steady at unchanged rates for prompt and forward. Bichromate of potash, English and Scotch deliveries, 3½d. per lb., less 5 per cent., and export 3½d. per lb. net, f.o.b. Glasgow. Bichromate of soda, English and Scotch deliveries, 3d. per lb., less 5 per cent., and export 2¾d. per lb. net, f.o.b. Glasgow.

BARIUM PRODUCTS rule steady, and good business has been done on contract over next year at current figures. Blanc fixe, pure precipitated barium sulphate in paste form, 6l. 10s. to 6l. 15s. per ton, in usual 8 to 9 cwt. casks. Mineral sulphate of barytes, 35s. to 90s. per ton, according to quality, quantity, and package. Chloride of barium rather variable, but fairly firm. Ordinary refined coarse or fine crystals, 6l. 5s. to 6l. 12s. 6d. per ton, in 8 to 10 cwt. casks. Precipitated barium carbonate, 5l. 7s. 6d. to 6l., in 2-cwt. bags. Crude calcined barium sulphide, 70 to 75 per cent. BaS, 5l. to 5l. 10s. per ton, in ordinary 5 to 6 cwt. casks. Hydrate of barium crystals tend dearer; crystals, 12l. 5s. to 13l. 5s. per ton, in 6 to 7 cwt. casks; fused concentrated, 56 to 60 per cent. BaO solid, in 6 to 7 cwt. drums, 13l. 10s. to 13l. 15s. per ton; and crushed, in 3 to 4 cwt. drums, 14l. 15s. to 15l. per ton.

Otto-of-Rose Adulteration.

The manufacture of stearoptene-free otto of rose is carried on to a considerable extent in Germany, and this season the waste stearoptene is fetching a very high price—up to 75 to 80 francs per kilo.—and is being eagerly purchased by the adulterators in Bulgaria. It is used to increase the melting-point of otto of rose to which geraniol has been added, and has the advantage of crystallising in the characteristic manner of the natural stearoptene, which is not the case with other solid adulterants.

Exports to Japan.

With reference to the notices which appeared in the *C. & D.* of August 19 and September 16, the Board of Trade are in receipt of the following further information regarding the regulations with respect to invoices for goods exported to Japan: In cases where a copy of the invoice is attached to the import application, with a view to the eventual return of the original, such copy must be made and signed by the last seller at the same time as the original in the country where the last sale takes place. Where importers

in Japan are either a branch office or agents of *manufacturers* abroad, invoices drawn up by such manufacturers and addressed to the branch office or agency cannot be regarded as the invoices contemplated by the regulations. In such cases, therefore, invoices will not be required to be attached to the import application. In forwarding this information, however, H.M. Commercial Attaché points out that in the case contemplated in the previous paragraph there will, of course, be no objection to a memorandum being attached to the import application, showing the cost, freight, insurance charges, and other particulars respecting the articles in question in order to serve as a guide to the Customs officers in assessing the duty.

London Drug Statistics.

THE following statistics are compiled from information supplied by public warehouses. They relate to the receipts and deliveries of some of the leading drugs from and into the London public warehouses for the month of September, and to the stocks on September 30. As the figures are collated several days before the close of the month, they are only approximate in some instances.

	September		Stocks		1911	
	Landed	Delivd.	1911	1910	Imprtd.	Delivd.
Aloes.....cs. etc.	137	240	1,405	1,144	1,999	1,577
".....gourds	—	—	1,092	1,572	1,181	1,594
Anise, star.....cs.	—	3	67	—	100	75
Arrowroot.....pkgs.	309	1,546	2,218	5,683	6,106	8,139
Balsams.....cs.	—	47	183	570	48	290
Calumba.....pkgs.	228	297	883	591	2,263	1,432
Camphor.....pkgs.	165	245	2,603	1,299	7,521	6,016
Cardamoms.....	—	—	—	—	—	—
Cascara sagrada tons	—	21	309	781	65	143
Cinchona.....pkgs.	937	265	4,157	4,710	4,201	4,447
Cocculus indicus ..	—	—	—	—	—	—
Cochineal.....bgs.	4	5	195	404	252	365
Cubels.....	36	6	144	353	401	565
Dragon's-blood pkgs.	—	31	91	184	112	257
Galls.....	35	276	2,401	1,533	3,548	2,226
Gums—						
Ammoniacum ..	7	2	24	4	22	2
Animi.....	110	43	481	492	773	668
Arabic.....	1,916	2,053	3,762	5,683	6,827	11,389
Asafetida.....	33	203	1,083	226	1,599	1,247
Benzoin.....	131	122	351	775	1,248	1,397
Copal.....	6,284	4,885	27,103	19,475	41,042	34,851
Damar.....	733	618	5,299	5,675	7,380	7,659
Gallbanum.....	—	—	—	—	—	—
Gamboge.....	29	34	164	167	239	244
Guaiaicum.....	10	2	30	35	22	21
Kauri.....tons net	113	40	434	341	531	417
Kino.....pkgs.	—	—	34	34	—	7
Mastic.....	—	1	22	40	27	32
Myrrh, E.I.....	30	27	412	366	390	253
Olibanum.....	113	129	767	262	1,078	580
Sandarac.....	—	10	811	412	1,191	1,189
Tragacanth.....	1,066	1,893	4,645	3,877	15,412	14,030
Indiarubber.....tons	1,468	1,371	1,671	1,463	8,817	8,579
Ipecacuanha—						
Cartagena.....pkgs.	—	2	20	174	39	120
E.I.....	—	44	36	83	165	191
Matte Grosso ..	5	6	23	98	48	73
Minas.....	14	13	16	50	88	94
Jalap.....bls.	—	17	145	15	460	365
Nux vomica.....pkgs.	26	43	146	1,937	392	1,432
Oils—						
*Anise, star.....cs.	31	10	30	—	79	104
*Cassia.....	5	—	39	69	65	42
Castor.....pkgs.	190	164	155	131	739	733
Coconut.....tons	61	103	237	1,028	897	1,065
Olive.....pkgs.	138	272	1,667	1,349	2,590	2,359
Palm.....tons	65	11	31	—	90	59
Quinine.....lb.	8,438	3,981	214,112	2,291,116	61,973	78,252
Rhubarb.....cs.	—	34	302	40	222	417
Sarsaparilla.....bls.	24	64	274	470	562	726
Senna.....pkgs.	918	627	2,336	974	3,319	4,004
Shellac.....cs.	3,600	4,594	101,429	66,918	38,054	22,962
Turmeric.....tons	5	28	453	419	568	291
Wax—						
Bees'.....pkgs.	951	915	2,873	2,012	5,307	4,412
Vegetable.....cs.	63	62	646	563	1,093	92

* Stocks of essential oils at Smith's Wharf and Brewer's Quay are not included.

MR. A. D. BAKER (of Townsend's), 103 Grove Green Road, Leytonstone, received an order on Wednesday without a name and address of the sender, post-mark "London, E." Will the sender be good enough to write to him?



Memoranda for Correspondents.

All communications must be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with. Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest. Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed.

B.P. Tests for Bromides.

The Dow Chemical Co., Midland, Mich., U.S.A., writing with reference to the proposed limits of impurities for potassium bromide [97 per cent. KBr] and sodium bromide [99 per cent. NaBr and not more than 5 per cent. of moisture], say: "We see no reason why potassium bromide should not be at least 99 per cent. pure KBr, and although sodium bromide is very hygroscopic, if it is properly packed and properly handled after leaving the manufacturer, it should not contain more than 2 per cent. to 3 per cent. of moisture."

Liq. Terebinthine, B.P.

SIR,—“Eugene Aram” fails to understand the meaning of my letter of September 25 inasmuch as he fails to prove that excess of alkali in lin. terebinth. is the cause of thickening. He is entirely wrong in presuming I had not titrated the soap with standard acid solution to determine any alkalinity, as I added 10 per cent. in excess of the B.P. limit, and even then my liniment (made by my special process, as he so calls it) does not thicken on standing. Mr. Eugene Aram has no right to add acid. hydrochlor. dil. to any B.P. preparation where not so stated; moreover, his lin. terebinth., when made in this way, is certainly not B.P. Allow me to beg of Mr. Aram in future to make his lin. terebinth. the way I gave him in my previous letter, which will save time, labour, gas, and acid, and, best of all, a beautiful and satisfactory B.P. preparation results. I should not like to think that Mr. Aram adds a few drops of this or that acid when making his galenicals. I am sorry that he did not take my letter in the light it was meant, as after reading his first letter in your paper and giving the way “how” to make lin. terebinth., I thought it was time to give him a friendly hint and a little instruction. I am, yours faithfully,

Worcester, October 9. R. W. WENMOTH.

All-British Shopping Week.

SIR,—Opinion is unanimous that the All-British Shopping Week of last spring was a venture worth the trying. As to its business results divers views are held; but it cannot be denied that those who heartily entered into the idea made it pay, while those who were lukewarm did not. My association appeals through the columns of your journal for trade co-operation to enable it to establish the All-British Shopping Week, at least, as an annual event, and for assistance to raise it to the level of a “national” undertaking. The All-British Industries Association is the new title given to the Manufacturers’ Association of Great Britain, which enjoyed the support of some hundreds of the largest and soundest industrial concerns in the Kingdom, having amalgamated with it the commercial side of the Union Jack Industries League. With the amalgamation the future organisation and development of the All-British Shopping Week was handed over by the League and vested in the new body, which is constituted on purely business lines, aiming solely to serve the interests of British manufacturers and traders. My association fully recognises that success can alone attend this movement by having a sound business direction behind it, and it confidently asks assistance to form a strong and active committee of management, to be drawn from all trades and confined to those engaged in trade, who will lay down the conditions and indicate the lines upon which the All-British shopping movement shall be developed.

It should not be impossible to get sectional or trade committees formed, to look after their own particular trade interests in this movement, and to have delegates from them appointed on to this general committee of management. My association would welcome such a sound business authority, and is of opinion that with this expert guidance available the movement would in time become a great national organisation, and one most beneficial to British trade in general. British shopping should be recognised as the best British method for pushing British business.—Yours faithfully,

ANDREW M. O'BRIEN, Secretary.
Caxton House, Westminster, S.W.

Subscribers' Symposium.

For questions, answers, incidents, and interchange of opinions among "C. & D." readers.

What Mr. Broadhead Meant.

"For inconstance, insincerity, double-dealing, etc., due to grasping self-interest and puerile vanity," Mr. Broadhead says: "Go to Bloomsbury."

For he knew that some day we all shall be dead,
And he knew what a life those Councillors led,
So he knew that all knew what he meant when he said—

"GO TO BLOOMSBURY."

With apologies to an unknown author.—*L. Morcton Parry* (Liverpool).

Spiritus Ætheris Nitrosi.

Mr. James Grier, M.Sc., writing in regard to his notes on this preparation (*C. & D.*, October 7, index folio 537), says the words in (3) "perfectly fitting stopper similar to 'B'" should be "A." In the course of redrawing and reproduction stoppers B and C obtained straighter edges than in the original. Mr. Grier's complaint is that spirit of nitre is sometimes sent out by wholesalers in bottles with stoppers which not only do not fit the necks, but are so rugged as to positively favour evaporation.

Dispensing Notes.

This section is for the discussion and solution of dispensing problems and prescriptions received by "C. & D." readers. We are always pleased to receive the opinions of readers for publication. "The Art of Dispensing" ("C. & D." Office, 5s.) is the standard book of reference on this subject.

Antiseptic Soap Solution.

SIR.—Please tell me the best way of dispensing the following prescription written by a London specialist:

Sapc mollis	...	...	...	5iij.
Aq. coloniensis	...	...	...	5ij.
Sp. meth. ad	...	...	...	5vij.

Adde hydrarg. biniodid. $\frac{1}{2}$ per cent.

The soap solution to be well lathered into the scalp, and then the scalp to be well washed.

Yours truly,

DISPENSER. (183/44.)

["Dispenser" does not indicate his difficulty, but probably it relates to the incorporation of the mercuric iodide, which is best done as follows: Dissolve the soft soap in the eau de Cologne and methylated spirit; place the mercuric iodide in a mortar with an equal weight of potassium iodide and about 1 drachm of water, triturate till the mercuric iodide is dissolved, then add the soap solution gradually, stirring all the time. Undissolved, the mercuric iodide would be practically useless. In solution as above its germicidal efficiency is ensured.]

Legal Queries.

Consult the Legal Advice Section of "The Chemists' and Druggists Diary," 1911, p. 435, before writing about your difficulty.

Ajax (180/44).—Unregistered persons may sell oil of vitriol and other articles covered by Section 5 of the 1908 Act.

Juno (186/71).—A toothache preparation containing lin. aconiti or any other preparation of aconite can only be sold under Part I. of the Poisons Schedule conditions, both in Great Britain and Ireland.

F. J. (206/7).—An unqualified person may employ a qualified chemist at a branch shop, but if the qualified chemist

sells poisons his employer is liable to be prosecuted under Section 15 of the Pharmacy Act, 1868, for keeping open shop. See also reply to "Ajax."

Insurance (183/6) asks: "Whether the National Insurance Bill as it stands at present will allow a chemist who is a member of a Town Council to supply drugs to any area under the jurisdiction of that Council?" [There is nothing in the Bill dealing with the matter. Clause 14 entrusts administration of medical benefit to local Health Committees, and not to Town Councils.]

Justus (182/24).—If your statements are correct, your engagement ought to have been the subject of a written agreement dating from the time when you entered the employment of your apprentice master. Any redress that is available to you must be obtained by your guardians, as you are under age, and before you do anything you should consult them. For that reason we prefer not to answer categorically the questions which you submit.

Syph. (184/9).—It is generally understood that when lettering is to be etched on syphons a charge is made for the plate used in etching. We do not know what your "simple design" is, but an artist's charge for executing the design is generally between half-a-guinea and a guinea—often a guinea than a half. After that the plate has to be made. It is advisable when getting quotations for engraving to ask also what the plate will cost, so as to save disputes. We do not think the charge mentioned is extortionate.

Miscellaneous Inquiries.

We do not as a rule repeat information given in this section during the past twelve months. When references are given to past issues, these should be consulted. Back numbers for the past five years can generally be obtained from our office at the published prices. We do not undertake to analyse and report upon proprietary articles.

Cocaine (162/20).—We cannot undertake to furnish a formula in imitation of the proprietary dentifrice you mention.

H. S. (160/54).—(1) BOOKS ON VENEREAL DISEASES.—Corner's "Diseases of the Male Generative Organs" (Frowde, 5s.); "Manual of Venereal Diseases," by Officers of the R.A.M.C. (Frowde, 5s.); Green's "Treatment of Gonorrhœa in the Male" (Baillière, 5s.). (2) BOOKS FOR MOTHERS.—Chavasse's "Advice to a Mother on the Management of Her Children" (Churchill, 3s. 6d.); Chavasse's "Advice to a Wife on the Management of Her Own Health" (Churchill, 2s. 6d.). (3) BOOKS ON SKIN-DISEASES.—Morris's "Diseases of the Skin" (Cassell, 10s. 6d.); Walker's "Introduction to Dermatology" (Wright, 9s. 6d.).

H. P. R. (167/9).—BOOKS ON FOOD-ADULTERATION.—Blyth's "Foods: their Composition and Analysis" (Griffin, 21s.); Pearmain and Moor's "Aids to the Analysis of Foods and Drugs" (Baillière, 3s. 6d.); Bigelow and Howard's "Some Forms of Food Adulteration and Simple Methods for their Detection" (U.S. Government publication, Bulletin 100, Bureau of Chemistry); Wiley's "Foods and their Adulteration" (Churchill, 21s.).

S. A. (162/18).—IMPERIAL DRINK.—Soda-ash workers, if not protected by inhalers, take a considerable amount of alkali into the lungs. The thirst from which the workers suffer is best treated by the use of an acid beverage, such as the "Imperial Drink" employed for fever patients. There are many formulæ, a simple one being as follows:

Cream of tartar	...	...	...	$\frac{1}{4}$ oz.
Lemon-juice	...	...	...	$\frac{1}{2}$ oz.
Syrup	...	...	...	$\frac{1}{2}$ oz.
Boiling water	...	...	...	20 oz.

Talc (167/46).—CRETA GALICA is French chalk, or talc, and is commonly used for making foot-powders. It has no irritating effect upon the skin if of the quality for pharmaceutical purposes. The washed form ("Purified talc") is used when the prices obtained for preparations permit it. Such use is merely a precaution of probable danger from the poor qualities of French chalk.

Aspirin (172/27).—SALVARSAN, or "606," is described in the *C. & D. Diary*, 1911, p. 241, and numerous notes about it have appeared in the *C. & D.* during the past twelve months. For the latest medical information, see papers in the "British Medical Journal" of September 23, and *C. & D.*, October 7, index folio 531.

Alpha (177/70).—THINNING OF THE HAIR on the scalp may be due to scores of things other than scurf. Thus baldness sometimes skips a generation. A man's father and mother

may have fine hair without trace of baldness, but some of the previous generation have been bald and, maybe, one or two maternal uncles. You might try a course of treatment such as Dr. Laird Pearson's, as follows:

No. 1 Lotion.

Hydrarg. perchlor.	...	...	5ss.
Glycerini	...	...	5v.
Aq. coloniensis	...	...	5v.
Aq. ad	...	...	5xv.

M. et S.

No. 2 Lotion.

Beta-naphthol.	...	...	5ij.
Spt. rectificat.	...	...	Oj.

Solve.

Oily Application.

Acid. salicylic.	...	...	5ij.
Tr. benzoin. co.	...	...	5iss.
Ol. olivæ ad	...	...	5x.

M.

Wash the hair with an antiseptic soap and moderately hot water, rinse well, and dry with a rough towel. Rub in some No. 1 lotion, and again dry. Next apply No. 2 lotion, and allow it to dry spontaneously. Dress with the oily application and brush. This treatment should be carried out daily for a month, and then every alternate day for a fortnight. The dandruff disappears in a few days, and the hair becomes vigorous and supple in a remarkably short time.

Calx (176/7).—A 1-per-cent. (minimum) solution of chlorinated lime, containing not less than 30 per cent. of available chlorine, as required by the Board of Trade for disinfecting public works, etc., is made by adding 1 lb. of chlorinated lime (containing not less than 30 per cent. of available chlorine) to 100 lb. of water.

Veloæ (184/70).—The birth-mark on the baby six months old is one of the kind which usually disappear as children grow older. It is not a port-wine stain or other capillary congestion, but a temporary slight injury, which only manifests itself when the child cries or is otherwise excited. You should not worry about it or any special treatment for some time to come—say, twelve months.

R. W. W. (169/7).—CLEANING GLASS OF SPIRIT-DECANTER.—After trying the numerous chemicals you mention without success, you might try the effect of hydrofluoric acid, carefully applied in a dilute form. The acid attacks more readily the corroded parts of the glass, but, of course, this action must not be prolonged.

Beeswax (170/19).—COLD-CREAM.—We published in the *C. & D.*, April 3, 1909, p. 534, a number of modern formulas for cold-cream of the type you require. We suggest that you experiment with some of these, as the point about the change of colour on keeping can only be determined after an investigation extending over some time.

W. R. (169/8).—COLOURING BILLIARD-BALLS.—The method you have employed is the correct one, but as benzoline is difficult to penetrate by aqueous aniline colours you should now soak the balls in a spirituous solution of the dye.

Albus (169/28).—The analysis of the two tablets is not practicable even if the circumstances warranted us undertaking it.

G. W. (177/44).—CHILDREN'S WORM-POWDERS.—The formula you require is:

Powdered jalap,	
Calomel,	
Powdered sugar,	
Powdered santalin,	of each equal parts.

Mix. Dose: From 3 to 8 grains, according to age.

W. K. W. (178/20).—METOL DERMATITIS.—The best treatment for this was outlined in the *C. & D.*, January 23, index folio 154.

Beta (178/56).—ROUP-POWDER FOR FOWLS:

Pulv. potass. nitr.,	
Pulv. cubebæ	...
Pulv. lini	...
Pulv. glycyrrh.	...

Misce. A tablespoonful to be mixed with the food for ten fowls.

Aquos (171/39).—MEDICAL BOOKS FOR STUDY.—You do not state the object you have in view in reading medical books during your spare time, but there are no more instructive books for chemists' reading than Brunton's "Text-book of Pharmacology, Therapeutics, and Materia Medica," Ringer's "Therapeutics," and Quain's "Dictionary of Medicine."

J. H. (173/49).—(1) MAPLE-ESSENCE.—The maple flavour is said to be well imitated by an aqueous extract of guaiacum-wood or hickory-bark, but we have no formula embodying this suggestion. (2) We do not know what is intended by "double mariatic acid for use in confectionery."

H. F. T. (205/17).—SKIN-EMOLIENT.—The following liquid preparation is suitable for retailing in place of glycerin as a skin-emollient:

Glyc. boracis	...	...	5iv.
Glyc. ac. carbol.	...	...	5ij.
Tinct. cocci	...	...	q.s.
Aq. rosæ ad	...	...	5x.

The directions should be, "Apply freely with a small sponge or piece of linen."

M. R. C. (179/26).—SKIN-CREAM.—The sample you send is the casein type of skin-cream, of which the following is a representative formula:

Casein	...	...	3 oz.
Boric acid	...	...	5 dr.
Cacao-butter	...	...	2½ dr.
Perfume	...	...	q.s.

The casein is prepared by the following method: Heat milk to about 120° F., and for each 500 c.c. of milk add 50 grams of magnesium sulphate dissolved in warm water (a saturated solution) and set the combined solution aside for an hour or less. Again heat to 130° or a little higher, and add 5 grams of alum dissolved in hot water, and, if necessary, continue the heat a little longer until the casein is entirely separated. Wash the precipitate in several changes of water and press. The cacao-butter is used to prevent the cream shrinking in the pots. A suitable perfume is the following:

Muguet royal	...	...	8 oz.
Otto of rose	...	...	¼ oz.
Otto of jasmine, "Bush"	...	...	½ oz.
Ylang-ylang oil	...	...	1 oz.
Artificial musk (100-per-cent.)	...	...	¼ oz.
Alcohol	...	...	6 oz.

It requires about 1 oz. of this liquid to perfume effectively 20 lb. of casein-cream.

J. R. M. (179/23).—We cannot carry the analysis of the tablets any further than you have done.

Exemption from Medicine Stamp-duty.

We propose to reserve in *The Chemists' and Druggists' Diary* for 1912 a limited amount of space for subscribers' formulas for known, admitted, and approved remedies. Our *Diary* was the first publication of the kind approved by the authorities for this purpose. Each formula (with dose in the case of internal medicine) should be written on a piece of paper by itself. Early despatch to the Editor of the *C. & D.* is desirable.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," October 15, 1861.

Trade Report.

London, 12th Oct., 1861.

The abundance of money, and the trifling demand for accommodation, has had the effect of causing a further reduction in the rate of discount; the Bank Directors lowered the rate on the 19th ultimo from 4 to 3½ per cent. On the other hand, the Bank of France has raised their rate 1 per cent., and it is expected that large quantities of gold will be taken from here, which leads to the expectation of an advance here shortly. The best paper, in Lombard-street, is discounted at 3 to 3½ per cent. Trade here has steadily improved, but in the manufacturing districts business is very slack; and the unsettled and uncertain state of the American affairs is not likely to mend matters. Consols are now 92½ for money, and 92¾ for the account.

The market for chemicals has continued very quiet. Only small sales have been made in tartaric acid at 1s. 8½d. Rather more business has lately been done in citric at 1s. 9d. Prussiate of potass is dull at 1s. 1d., which is lower. Bichromate is in moderate demand at 9d. Oxalic acid is quiet at 9d. for firsts, but seconds are more in request. Iodine remains at 4½d. to 5d. Flour of sulphur has sold to a good extent at firm prices. Soda ash is quieter at 4s. 15s. ex ship. Sulphate of copper is dull, and only small sales to be made in cream tartar at 120s. Linseed oil is firm at 34s. to 34s. 3d. Turpentine is rather more in demand at the reduced rate of 61s. 6d. for American. Pot and pearl ashes are quiet at 31s. and 36s. per cwt.

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, OCTOBER 14, 1911.

A Copy of this Supplement is inserted in every Number issued of "The Chemist and Druggist."

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers) and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS**. Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done **PROVIDED THE MONEY IS TELEGRAPHED** at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 852 Bank (two lines). Telegraphic Address: "Chemicus London."

It pays to pay for advertising
in this Supplement.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—KENSINGTON.—Modern Pharmacy; position unique; returns about £1,100 per annum, which produce a net income of £350; lock-up shop, held on lease; price £900.

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4.—BANKS OF THE UPPER THAMES.—Good-class Pharmacy, situate in busy main thoroughfare; returns £1,000 per annum; profit (net) £300; full inspection invited; price £675.

5.—LIVERPOOL.—Light Retail and Dispensing Business; very few Patents sold; returns £485; gross profit £250; corner shop, double fronted; modern house, private entrance; price £200; part-payment if desired.

6.—MANCHESTER (near).—Light Retail Business; no heavy trade; returns last year £748; scope for development; net profit about 20 per cent.; rent £26, which includes residence; terms, valuation of stock and fixtures.

7.—SURREY.—Attractive locality; very old-established Business, Retail and Agricultural; returns between £350 and £400; profits above the average of Retail trade; comfortable residence; rent £35; price, simply the value of stock and fixtures.

8.—EGYPT.—High-class Pharmacy; returns last year £2,400; gross profit £960; vendor estimates the value of stock and fixtures at £2,500; price £3,500.

9.—ESSEX COAST.—Well-established Business; no heavy trade; returns £728, increasing; net profit about £220; the shop is capitally situate in the centre of town; good opening for an energetic man; price, to include freehold premises, £850.

10.—SUSSEX.—Unopposed Business, established 70 years; returns average £900 per annum, and the net income £320; large, well-appointed shop and residence, small garden; terms, goodwill £100, stock and fixtures at valuation.

11.—WEST OF ENGLAND.—Good-class Cash Retail Business; returns exceed £800, at fair prices; modern-fitted shop, with good house attached, garden; price, to include goodwill, stock, and fixtures, £600.

12.—YORKS (Health Resort).—Good-class Retail and Dispensing Business; returns, present rate, £1,500; gross profit £610; vendor values his stock and fixtures at £1,100; roomy house, private entrance; price £1,200.

13.—EASTERN COUNTY (Market Town).—Very old-established Business; returns average £2,273 per annum, and the net profit £400 (about); commodious shop, corner position; terms, goodwill £300, stock and fixtures at a fair valuation.

14.—WESTERN COUNTY HEALTH RESORT.—Retail and Dispensing Business, established 1832; returns under manager £1,000; average net profit £250 to £300; large shop, fitted in mahogany and plate glass; rent moderate; held on lease; price £875.

Particulars of any of the above will be furnished on application.

N.B. NO CHARGE TO PURCHASERS.

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- 2.—SOMERSET.—Returns average £1,265; net profit £250 to £300; Light Retail and Dispensing principally; established 80 years; good house and shop in good position of very nice town; good opening for Dentistry; valuation accepted, about £875.
- 3.—LEICESTERSHIRE.—Light Country Retail; returns £560; valuation about £250; low rent; splendid opportunity for a qualified man.
- 4.—LANCS.—Returns over £600; net profit £200; price £400.
- 5.—DORSET.—Good-class Country Retail; returns £800; net profit £265; capably situated in centre of good district; price £600.
- 6.—LONDON, S.E.—Good-class Cash Retail; returns approach £1,300; net profit £300; large, handsomely fitted shop, in good position; practically given away at £550, much less than valuation.
- 7.—WORCESTERSHIRE.—Good-class Retail and Dispensing; returns £1,250; net profit £275; price £350.
- 8.—LIVERPOOL.—Returns £485; net profit £165; price £200, £100 down and balance by instalments, or £150 accepted outright for the Business; splendid chance.
- 9.—STAFFS.—Returns over £600; net profit £200; price £350.
- 10.—YORKS.—Returns £900; good profits; valuation £375.
- 11.—NORFOLK.—Good-class Light Country; unopposed; splendid residence; returns £650; gross profit £300; rent £21; price £500, or a near offer accepted.
- 12.—YORK.—Returns £650; net profit £200; Light Retail and good trade in Horse and Cattle Medicines; must be sold, and offered at £175; a bargain.

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MESSRS. BERDOE & FISH,

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- 4.—KENT.—Good-class Retail, with own Proprietaries; returns £750; net profit £270; good position busy market town; smart, well-fitted shop; valuation required, no goodwill.
- 5.—LIVERPOOL.—Sound Light Retail; returns about £500; no side-lines; net profit £160; good house and large shop; stock and fixtures worth fully £250; price £200, part can remain.
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- 11.—HAMPSHIRE.—Sound Light Country Retail Business; returns over £500 under manager; low rent; nice house and garden; modern-fitted shop, fully stocked; price about £400.
- 12.—YORKSHIRE.—Unopposed Country Retail Business, in same family many years; returns average about £600; neglected through illness; low rent; very good house; price, simply valuation, about £450.
- 13.—KENT.—Old-established Business, in same hands many years; unopposed; returns £400; net profit about £175; best position; low rent; price £250.
- 14.—RICHMOND (near).—Good-class Retail and Dispensing; returns over £1,000; net profit £300; fully stocked; price £675.
- 15.—LONDON, N.W.—Light Retail and Dispensing; returns about £950; good house; low rent; well stocked; price £625.
- 16.—LONDON, N.—Light Retail and Dispensing; returns £750; net profit £248; books properly kept; price £500; full value offered.

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PARSON C. BAKER, Druggists' Valuer and Transfer Agent, 174 Victoria Street, is instructed by the proprietor to sell one of the most centrally situated and thriving businesses in Cairo; admirably adapted and in the right position for English Pharmacy, of which a good proportion is now obtained; returns and net profits have been steadily increasing year by year. Full particulars on application. Capital required about £3,000 to £4,000.

PRICE £125.—For immediate Disposal, owing to unforeseen circumstances, a well-fitted little Retail; returns about £600; net profit £150; stock consists of Drugs £100, Patents and Sundries £80, Perfumes £30; fixtures £80; rent £36; good house; could let part in season; South Coast. Wright, Malaga, Bushwood, Leytonstone.

£30.—London Suburb.—Small Drug Store; established 8 years; under management; working neighbourhood; no opposition; good corner house; rent 11s.; suit qualified or unqualified beginner; stock and fixtures worth more than price asked; only wants seeing. Address, "Omego," 23 Union Bank Buildings, Holborn Circus, E.C.

£50 down and balance of £100 by weekly instalments for genuine old-established Chemist's Business in London; suitable for qualified or unqualified; £5 weekly net profit was made out of it 12 months ago; now under unqualified manager takes over £7; big profits; rent £50, let off £36. Slack, 9 King Street, Wolverhampton.

£250 or near offer.—A bargain; handsomely fitted well-stocked Branch, London suburb, West; much neglected under present management; principal would do well; rent £36; nice house in good repair; fixtures and stock worth considerably more than price asked; part could be paid by instalments. "Genuine" (213/19), Office of this Paper.

BUSINESSES FOR DISPOSAL

(continued.)

£250.—Old-established Business in S.E. London; wide main thoroughfare and very healthy locality; net profit £200; books kept and everything will bear thorough inspection. "Jupiter" (217/6), Office of this Paper.

£320.—Busy Lancashire Town.—Genuine Cash Prescribing Retail for Sale; main street, near railway station; established 15 years; returns £500 under unregistered; double-fronted shop; electric light; full Wine Licence; low rent; long lease; opening for Dentistry, Optics; exceptional living accommodation; bath; bargain to quick buyer. "Genuine" (214/17), Office of this Paper.

BUSINESSES WANTED.

CASH down will be paid for a good Business situated in a desirable town to reside in, having a population of 10,000 or upwards; one required with a net profit of £350 or over. 210/38, Office of this Paper.

WANTED to purchase unopposed Business in healthy country district; must show net profit at least £150. Please give full particulars, in confidence, 210/33, Office of this Paper.

WANTED to negotiate privately for a Business in a London Suburb or provincial town. Particulars, in strict confidence, "Wilson" (211/5), Office of this Paper.

WANTED, good Family Retail and Dispensing Business, with turnover about £1,000 annually at fair profit, in sound position, preferably situated in Coast town or good market town, but not essential. Vendors please state full particulars, confidentially, to "Pharmacist," 80 Blackboy Road, Exeter.

TENDERS.

COUNTY OF LONDON.

THE LONDON COUNTY COUNCIL invites **TENDERS** for the supply and delivery of 15,580 tons of Lime and 3,300 tons of Proto-sulphate of Iron, crystallised or in solution, or, as an alternative, Ferrie-sulphate, to the Barking Outfall Works, near Beekton, North Woolwich, and of 10,000 tons of Lime and 2,900 tons of Crystallised Proto-sulphate of Iron, or, as an alternative, Ferrie-sulphate, to the Crossness Outfall Works, near Erith, Kent.

Full particulars as to the conditions of contract, etc., appear on the official forms of Tender, which may be obtained on personal application or by sending a stamped addressed foolscap envelope to the Clerk of the Council, County Hall, Spring Gardens, S.W. No Tender received after 11 A.M. on **TUESDAY, 31st October, 1911**, will be considered.

LAURENCE GOMME,

Clerk of the London County Council.

County Hall, Spring Gardens, S.W.,
12th October, 1911.

TO LET.

IXWORTH.—Good Chemist's and Druggist's to Let in the High Street; Shop, House, Premises, Fixtures; 6 miles from Bury St. Edmunds; no opposition; nearest Chemist 5 and 6 miles away; Ixworth has population over 900, surrounded by large Agricultural population; the above was occupied by the late Henry Thurlow and his widow 50 years; rent only £20; splendid opening for Dispensary for the State Insurance Scheme; Oddfellows' and Foresters' Clubs held in the village with over 500 members. Apply, Robert Hurrell, Ixworth, Bury St. Edmunds.

SHOP and Garden, near Railway Station, to Let; been Chemist's shop over 40 years; rent £40. Apply, Fuller, Estate Agent, Buckhurst Hill.

To be Let, an old-established Herb and Drug Business; small capital required. Apply, Surgical Hosiery Co., Ltd., Russell Street, Nottingham.

PARTNERSHIPS.

A FIRM of Chemists (London) require a young, energetic Pharmacist as Partner to manage their head business; applicants must be of good appearance and address, have had first-class experience, and prepared to invest £500, for which full security will be given. Apply, in first instance, "Forward" (216/22), Office of this Paper.

FOR SALE.

CHEMIST'S Fixtures, entire, including Shelving, Drawers, Wall-cases, Glass-fronted Counter, Counter-cases, Window-enclosures with Plate-glass Shelves, Shop-rounds, and Jars. Clubb & Co., 138 Smithdown Road, Liverpool.

DRUG PLANT FOR SALE.—30-gal. Vacuum Plant with Copper Pan, Pump, and Fittings complete, by Morton; Hydraulic Tincture Press, by Tangye; Disintegrator, by Morton; C.I. Jacketed Tilting Enamelled Pan, 26 by 19, by Morton; valuable Copper Still and Gunmetal Condenser; Pill-coating Machine, by Wilkinson; Mixing Machine, with bronze knives, by Morton; Gas Oven, 6 ft. by 4 ft. by 4 ft., with trays, by Parkinson; and 2 hand Capsuling Machines. Prices and photos on application, W. J. McCoy & Sons, Ltd., Machinery Merchants, Belfast.

FOR Sale, Emulsifier, by G. Llewellyn & Son, Haverfordwest; capacity 10 gall.; hand or power, fitted with 1-in. union tap; never been used; cost £7; want offer. Hammond Remedies Co., Barry, Glamorgan.

PATENT Rights for Sale of one of the best ever invented; Magnetic Tube for curative purposes. H. Harris, 39 Kimberley Road, Southsea.

PREMISES FOR SALE

DINAS POWIS.—A modern beautifully fitted Freehold Shop, with excellent dwelling accommodation, for Sale or to Let in this charming and rapidly growing suburb, surrounded by large agricultural district; unique opportunity; no Chemist in the place. Apply, Mathew, Dinas Powis, near Cardiff.

AGENCIES.

RUSSIA.—An English Company recently formed is open to take up Agencies for Russia. Apply to British Russian Trading and Investment Corporation, Ltd., 8 Lloyd's Avenue, London, E.C.

TRAVELLERS and Agents wanted to take up as a Side-line the sale of our Liquorice on a commission basis; same is advertised amongst all the Chemists in the United Kingdom, and therefore only requires following up; small pocket sample; high commission; season now commencing. Russian Liquorice Works, Uralsk, Muswell Hill, London, N.

SALES BY PRIVATE TREATY.

FOR Sale, by private treaty, Freehold House and Shop in country town of about 10,000 inhabitants, and, near the same, a House used as a Store, with adjacent land suitable for the erection of a Factory. Apply, principals only, "Sale," c/o British Drug Houses, Ltd., Graham Street, City Road, N.

APPRENTICESHIPS.

A PPRENTICE wanted immediately; must be well educated and gentlemanly; high-class Pharmacy and Analysis taught, Optics in finishing year. Apply, Atkins, Ph.C., F.C.S., 71 East Hill, Wandsworth, S.W.

DISPENSER, unqualified, with good Dispensing experience, seeks situation as Apprentice for few months to learn Shop and Counter work; age 24; height 5 ft. 8½ in.; good references; part time not objected to. 216/16, Office of this Paper.

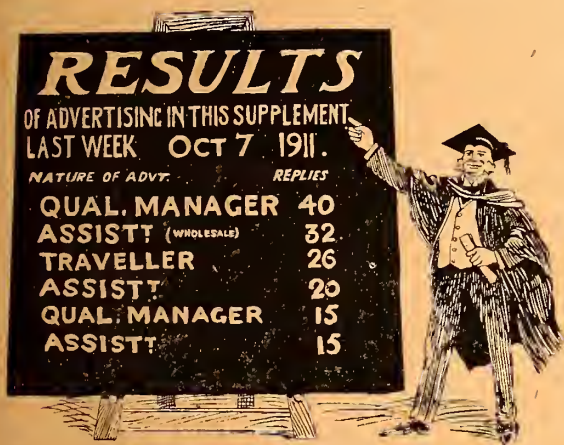
BOARD AND RESIDENCE.

TO Seaside Chemists or others it may interest.—Special opportunity for delightful holiday; comfortable house in lovely country; good free fishing; moderate terms. 213/22, Office of this Paper.

SITUATIONS OPEN

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid. ¹

NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an Additional charge of 6d.



RESULTS
OF ADVERTISING IN THIS SUPPLEMENT
LAST WEEK OCT 7 1911.

NATURE OF ADVT.	REPLIES
QUAL. MANAGER	40
ASSISTT (WHOLESALE)	32
TRAVELLER	26
ASSISTT	20
QUAL. MANAGER	15
ASSISTT	15

This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed o/o this Office. The Publisher desires to make it clear that this is quite superfluous and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitability.

BE BRIEF BUT CLEAR—millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the material set before him.

RETAIL.

ABERGELE, North Wales.—Junior or Improver wanted immediately. Apply, giving full particulars of experience, age, height, and salary required, with references, Boardman, Pharmacist, Abergel, N. Wales.

BARNSTAPLE.—Unqualified, unmarried Junior; indoors; Agricultural district; good knowledge of Photography necessary. Shepperd, Pharmacist, Barnstaple.

BEDFORD.—Wanted for October 30, indoor Assistant, about 23 to 25; qualified preferred, but not essential; must be energetic and good Counterman. Please give full particulars as to experience, age, height, and salary required, enclosing photo if possible (to be returned), to J. H. Lloyd, 97 High Street, Bedford.

BERKS.—Assistant, about 24, for good-class Country Retail and Dispensing business; good address, well up in Photography, and able to relieve at the Dispensing Counter. Apply, stating age, references, and salary required (indoors), Henry Davis, Chemist, Newbury.

BIRMINGHAM.—Assistant wanted by Bellamy & Wakefield, Pharmaceutical Chemists; Dispensing and Counter; outdoors; hours 8.30 to 7.30; no Sunday duty; 30s. per week to commence. Apply, J. Wakefield, 11 Highfield Road, Edgbaston, enclosing photo.

BRISTOL.—Junior, about 20 (outdoors), to keep up stock and assist at the Counter; hours of business 8.30 A.M. to 8.30 P.M., Saturdays 9.30, one evening at 5 P.M.; alternate Sunday evenings. Reply, stating age, height, salary required, and references, with photo if convenient, to "Philo" (212/27), Office of this Paper.

BROADSTAIRS.—A Junior Assistant required; must be a reliable Dispenser and a good Counterman, with some knowledge of amateur Photography; outdoors; weekly half-holiday. State salary, enclose photo, Julian Horrell & Co., The Pharmacy, Broadstairs.

CHELTENHAM.—Nathl. Smith & Co. require an indoor Assistant; good Dispensing experience. Apply, with full particulars, 373 High Street. Principal non-resident.

CHESHIRE.—Wanted, an experienced, qualified Manager, able to take control of a first-class business; a smart business man capable of improving the turnover would be liberally dealt with. Apply, 210/35, Office of this Paper.

CHESTER.—A good Junior required for Retail and Dispensing business. Apply, with full particulars, enclosing photo (to be returned), stating salary (indoors), to Craine, Pharmacist, 71 Northgate Street.

CRADLEY HEATH.—Manager, qualified, at once; salary 45s. weekly (outdoors); working-class district; cash trade only. Apply, with full particulars, photo if possible, to W. J. Gardam, M.R.S., 10 High Street, Halesowen, Worcs. All applications not answered in three days respectfully declined.

CROYDON.—Junior or Improver for Light Retail and Dispensing; indoors. State height, salary required, Davies, Chemist, Thornton Heath.

DARLINGTON.—Junior Assistant required immediately; qualified; used to quick Counter trade. Apply, stating age, height, experience, salary required, if experience in Photographic dealing, abstainer preferred, Waters, Chemist, Darlington.

EASTBOURNE.—Messrs. J. Gibbs & Son, Ltd., Homoeopathic Chemists, require an indoor Assistant, age 25 to 30. Apply, enclosing photograph and stating age, height, salary required, and when disengaged.

LEEDS.—Wanted, qualified Assistant, age about 25, by end of this month; outdoors; permanency to suitable man; old-established Family business. References, salary, etc., to W. Sleight, 134 Burley Road.

LEICESTER.—Energetic qualified Manager wanted end of October; knowledge of Photography and used to a quick middle-class Cash business. All particulars, references, and salary required (outdoors), to F. T. Wilby, 124 Humberstone Road, Leicester.

LIVERPOOL.—Manager, qualified, for Branch; good Salesman and accurate Dispenser; trustworthy, reliable, and obliging; weekly half-holiday; Sundays, 1 in 3 off; live on premises. Apply, with full particulars, stating age, salary, references, married or single, etc., to W. Ashworth, Chemist, 24 Seaforth Road, Seaforth.

LONDON, W.—Required, a tall, smart, all-round Assistant, about 28 or 30, for permanency; outdoors; qualification not essential provided thoroughly competent and a clever Salesman. Apply W. V. Wright, 25 Broadway, Hammersmith.

LONDON, N.W.—Part-time Assistant required, one accustomed to a good-class Dispensing and Retail business. Please state age, time required, and salary, 211/15, Office of this Paper.

LONDON, W.—Qualified Assistant (24 to 26), seeking permanency, wanted; first-class Dispensing and Counter experience essential. State salary (outdoors) and full particulars to E. Drayton, Dispensing Pharmacist, The Mall, Ealing.

LONDON, N.—Junior wanted, to keep Drug Stock and assist at Counter. Please state age, experience, references, salary, and when disengaged in first letter, or apply personally, to Bishop & Vincent, 460 Holloway Road, London, N.

LONDON, S.W.—Required, a Counter Assistant in a large West-End house, age about 25; unqualified; tall and of gentlemanly appearance. Write, stating full particulars, to 910, Sell's Advertising Offices, Fleet Street, London.

SITUATIONS OPEN *(continued).*

LONDON, W.—Assistant, qualified, about 23, with experience in London Dispensing, to take charge in West End. Apply by letter, in first instance, F. W. Warren, 340 Harrow Road, London, W.

LONDON, S.W.—Wanted, smart Counterman, with good all-round knowledge of the trade; hours 8 A.M. to 8.30 P.M., Wednesdays 2 o'clock, Saturdays 11 o'clock; no Bank Holiday or Sunday duty; personal application preferred. Francis & Son, Ltd., 448 Brixton Road, S.W.

LONDON, W.—Wanted, experienced indoor Assistant; good time allowed for study. Harold Lyon, 18 Formosa Street, Warrington Crescent, W.

LONDON, S.W.—Unqualified Assistant immediately; age 23-24; good appearance and address; used to high-class Dispensing, Photographic, and general modern Store; outdoors; half-day weekly; photo, undeniable references. Percy T. Harris, M.P.S., 183a King's Road, Chelsea, S.W.

LONDON, S.E.—Smart unqualified Assistant required. Send particulars or call, A. W. Summerfield, 198 Rye Lane, Beckham, S.E.

LONDON, W.—Wanted, an Assistant (indoors), accustomed to good-class Dispensing and Retail. If by letter, please state full particulars and enclose photo, Abel & Co., 108 Queen's Road, Bayswater.

LONDON, S.W. (near Colleges).—October 30, indoor Assistant, with good-class experience. Full particulars, salary, photo (to be returned), to "Radix" (189/47), Office of this Paper.

LONDON, W.—Unqualified Assistant wanted immediately, used to quick Store trade; must be energetic and reliable; a good berth to the right man; capable of taking occasional charge. Apply, with full particulars, to "Beta" (215/40), Office of this Paper.

LONDON, W.C.—Assistant, qualification unnecessary, for high-class Cash business; good Salesman, knowledge of Photography (including Developing); age not over 30; reasonable hours and no Sunday duty. Full particulars of experience and salary required, Manager, H. Lamplough, Ltd., 166 Strand.

MANCHESTER.—Wanted, a smart, unqualified Assistant for good-class Retail and Dispensing business in residential suburb; married, to reside on the premises; permanency for a suitable man; Junior kept. Apply, with full particulars and enclose photo, to "Salol," c/o Evans Sons Lescher & Webb, Hanover Street, Liverpool.

MANCHESTER.—Reliable Assistant; outdoors; age about 23; hours 8.30 to 8.30; Saturdays 10; occasional Sunday duty; qualified or unqualified; married; house free; state experience, salary required, and other necessary particulars. Apply, 189/63, Office of this Paper.

NEAR Manchester.—Wanted at once, Junior; middle and working-class trade. Send usual particulars, references, to "Ability" (214/35), Office of this Paper.

ST. LEONARDS-ON-SEA.—Junior Assistant; outdoors. State age, experience, salary required, and enclose photo (to be returned), to Neve & Co., Silverhill, St. Leonards.

ST. LEONARDS-ON-SEA.—Wanted, competent Assistant, good Dispenser; indoors. Please give full particulars in first letter re age, height, salary required, references, etc., enclosing photo, E. W. Geary, 261 London Road.

SOUTHERN SEAPORT.—A vacancy occurs in an important business for a qualified Assistant about 27 years of age; Minor qualification and married preferred; salary £130 per annum, with prospect of advancement according to business capacity; must be a good Salesman and have a knowledge of Photography; only those desiring a permanency need apply. Replies, with photo and particulars as to the two immediately preceding engagements, to "Pharmacy" (209/25), Office of this Paper.

SOUTHSEA.—An Improver or Junior; out-of-doors. Apply, with full particulars, salary required, etc., to "H. W." (214/27), Office of this Paper.

STOCKPORT.—Wanted, Junior Assistant for Mixed Retail trade; weekly half-holiday; no Sunday duty. Apply, with full particulars, to Hervey Banks, Chemist, Stockport.

TUNBRIDGE WELLS.—Assistant required in good Retail and Dispensary; Store experience preferred; outdoors; state full particulars of experience, age, height, and enclose photo (returnable). Apply, H. S. Pearman, 47 High Street, Tunbridge Wells.

WEST BYFLEET (21 miles from London).—Unqualified gentlemanly Assistant required (indoors); quick worker, with high-class Dispensing experience; not over 25. Apply, with full particulars, enclosing photo, to S. Browning Moss, West Byfleet.

WORCESTER.—Qualified Assistant; age about 24; junior kept. Apply, with full particulars as to experience, references, and salary required (indoors), etc., with photo, to Charles A. Steward, 27 High Street, Worcester.

A Assistant required for a Light Retail and Dispensing Business. Apply, with usual particulars, enclosing photo, and stating salary required (indoors), to R. H. Fowler, 56 London Road, Southampton.

A Assistant; unqualified; must possess good experience; well up in Dispensing and general routine work; permanency to suitable man. State age, experience, and enclose photo, with references, to "J. G. A.," c/o S. Maw, Son & Sons, Aldersgate Street, London, E.C.

A Assistant, 24 or 25; must have passed Prelim. and possess knowledge of Chemistry and Photography; duty 60 hours weekly; one afternoon and one evening free. State particulars in full, W. Shadforth, 63 Grove Road, Bow, London, E.

BEWELLS, LTD., have vacancy at once for qualified Manager for a new branch. Apply, Mr. Houseman, 19/21 Pitfield Street, N.

COMPETENT unregistered men, with at least twelve years' experience, and who desire to obtain good permanent situations in London, are invited to apply, in confidence, to C/o CHEMIST AND DRUGGIST. Applicants must state full particulars and be good Salesmen, 213/26, Office of this Paper.

JESSE WILLIAMS, Pharmaceutical Chemist, 132 Queen Street, Cardiff, requires immediately an outdoor Assistant for front Counter; must have knowledge of Photography; wages 30s. weekly. Full particulars, please, in first letter, including age, height, references, and whether married or single.

JUNIOR for good-class Light Retail and Dispensing business with Photography; half-holiday; one hour alternate Sunday evenings. References, full particulars, and salary required, A. G. Reid, Chemist, Petersfield.

JUNIOR (outdoors), one who has had about 5 to 7 years' experience, in good-class Retail, Dispensing, and Photographic business; weekly half-holiday; must be active, neat, and good Counterman. Apply, with full particulars and salary required, Shillecock & Sons, Chemists, Bromley, Kent.

MANAGER, qualified, for Country Branch in Shropshire, age about 30. Apply, giving age, past experience, references, and salary required, to Joseph Blower, Knighton, Radnors.

MESSRS. BARNARD & SON, 309 Hackney Road, London, have a vacancy for a Junior; one accustomed to a middle-class trade preferred; 2 kept; half-day off weekly. State salary (indoors), when disengaged, references, etc.

PART-TIME Junior; London, S.W.; one or two days each week, or from 2 or 3 P.M. until 9.30 on Wednesdays. Say if in any other permanent berth, and also give references, age, and salary required, to "K. W." (213/2), Office of this Paper.

QUALIFIED Manager for branch shop in working-class district in Midlands; must be married, energetic, and hold satisfactory recent references; salary and commission, with free house and lighting; weekly half-holiday; closed Sundays. State salary required and enclose photo (to be returned), Martyn's Stores, Ltd., Wolverhampton.

QUALIFIED or unqualified Assistant for first-class Dispensing and Retail business; knowledge of Photo business desirable. Full particulars to Hinton Lake & Son, Ltd., Exeter.

QUALIFIED Sootsman wanted to Manage Branch business in Scotch city; must have working-class experience. State age, salary expected, and present employer, 188/49, Office of this Paper.

TAYLORS' DRUG CO., LTD., have vacancies for smart young qualified Chemists; no Sunday duty. Kindly send full particulars, with photo, to the Superintendent, Taylors' Drug Co., Ltd., P.O. Box 141, Leeds.

WANTED, as Second Assistant, unqualified (outdoors), for good Prescribing and Speciality business; permanent situation; exceptional references required. Hulmes, Chemists, Nottingham.

WANTED early in November, whole-time Dispenser (male); young, energetic, reliable; required also to act as Caretaker of surgery premises; £2 per week and self-contained flat of 4 rooms rent free. Apply by letter, stating qualifications, references, and all particulars, to Drs. Salter, Richmond, Stratton & Goldie, 198 Jamaica Road, S.E.

WANTED, Lady Dispenser and Bookkeeper; indoors. Apply, Drs. Passmore, Lanyon & Smith, Gainsborough.

WANTED, reliable Assistant; good Salesman; travel 1-2 days weekly; Horticultural and Agricultural experience preferred; permanency to suitable man; outdoors; weekly half-holiday; no Sunday duty. Turner, Chemist and Optician, Crewkerne, Somerset.

WANTED, an Assistant (outdoors). Apply, stating full particulars, salary, etc., Jaeklin, Chemist, Hale, Cheshire.

WANTED at once, Manager, qualified, for good-class Family and Dispensing; must be reliable and have good references; married preferred, to live on premises. Apply, with full particulars, to C. T. Cadman, 20 Delacourt Road, Blackheath, S.E. Telephone 673 Lee Green.

WANTED, a competent Assistant, qualified preferred (indoors), for an old-established Family and Dispensing business; must be well recommended and had good Dispensing experience; a Junior kept. Apply, with full particulars, to P. Stacey, Pharmacist, 81 High Street, Teddington, S.W.

WANTED soon, Junior Assistant (indoors), with good knowledge of Photography and also Optics if possible; short hours. Apply, with full particulars, to Tilley, Chemist, Thetford, Norfolk.

WANTED about November 1, Junior or Improver (indoors). J. H. Smith, The Pharmacy, Moreton-in-Marsh.

TO Students, Pharmaceutical, Medical, or others.—Good home and board offered for part-time; suitable for gentleman attending college etc. Apply, 175 Unbridge Road, London, W.

WHOLESALE.

LONDON, S.W.—Required, Warehouseman, with knowledge of Drugs and Proprietary articles; age about 25. Write, stating full particulars, 910, Sell's Advertising Offices, Fleet Street, London.

A DRUG and Surgical-instrument firm desire the services of a gentleman to act as their Representative, calling upon Medical Men; a first-class connection is essential. 216/36, Office of this Paper.

A WELL-KNOWN firm of Druggists and Patent-medicine vendors have a vacancy for a good man for the Patent-medicine Department. Apply, giving full particulars as to past experience and salary required, to 211/1, Office of this Paper.

CARNEGIE BROS., 33/35 Charterhouse Square, E.C., have a vacancy for a young man of ability to assist generally in their office; preference given to one with knowledge of the Surgical Dressings and Chemical trades; commencing salary £80-£100, according to experience. Apply by letter only.

DRY Room.—Experienced Assistant required. State age, salary, etc., 189/46, Office of this Paper.

INVOICE Clerk; experienced; quick Calculator, neat Writer. Full particulars to C. J. Hewlett & Son, Ltd., 35-42 Charlotte Street, E.C.

JUNIOR Assistant required in the Analytical Laboratory of a London firm of Manufacturing Druggists; applicant must have had experience in the Assay of Drugs and in the determination of Alcohol in Spirituous Preparations. Full particulars as to age, training, salary, etc., to 189/60, Office of this Paper.

LABORATORY.—Young man; aged 18 to 20; experienced in the making of Tinctures, Liquors, Fluid Extracts, or Granular Effervescent Preparations. Full particulars of age, previous experience, and wages expected, to 213/25, Office of this Paper.

LADY Assistant as deputy required, with Hall qualification. Apply, stating age, salary required, and enclose photograph (to be returned), to 189/33, Office of this Paper.

LARGE firm manufacturing Proprietary goods for the household require Chemist; bright young man with ideas and with some experience of Factory organisation and modern methods of production; state full particulars and salary required. Address, "Household" (189/5), Office of this Paper.

LOFTHOUSE & SALTNER, Wholesale Druggists, Hull, have a vacancy for a qualified and reliable Assistant at their Wet Counter. Applicants to state salary required and to furnish particulars as to experience and references.

PILL and Tablet Making.—Junior hand required, with experience; wages 20s. per week; also youth, respectable, wanted, for general work in Warehouse; wages 12s. Apply, in both cases, stating age, experience, etc., to "C. S. & Co.," 673 Commercial Road, E. London.

PROMINENT Manufactory of Flycatchers wants, for England and Colonies, a thoroughly capable Representative for the Export trade. Please apply to "K. E. 5708," c/o Rudolf Mosse, Köln.

PROVINCIAL Wholesale.—Assistant for Dry Room; must be good stockkeeper and have had first-class experience. Particulars as to age, qualification, etc., stating if married, 212/21, Office of this Paper.

REPRESENTATIVES wanted, one for town and one for provinces, who desire a good extra Side-line on commission. Letters only to "Cylinder," 10 Median Road, Clapton, London.

REPRESENTATIVES wanted for Midlands, Wales, and Ireland; Representatives on 10 per cent. commission, for Surgical Sundries and Instruments, etc.; only gentlemen with established connection. Reply, full particulars and ground covered, in confidence, 215/33, Office of this Paper.

TO Travellers calling on Chemists, Stores, Wholesale houses, etc., in Yorkshire, Lancashire, and Midland Counties; good selling line, small sample, as a side-line on commission basis; will be well advertised where sold. Particulars from "Kismet," Carlton Pharmacy, Carlton Street, Leeds.

TRAVELLERS required for Lancashire, South Wales, and Western Counties by London firm; must have established connections and be able to handle all kinds of Paeked Pharmaceutical and Toilet Lines. "Zero" (189/4), Office of this Paper. Representative for Scotland also required.

WANTED, smart young man, with both Retail and Wholesale experience, to solicit orders from small Shopkeepers; part time inside; must have held similar berth; good prospects for the right man. State salary and full particulars, Furnivals, Chemists, Hanley.

WANTED, Junior Assistant for Despatch Department. Apply, with reference, stating age, experience, and salary required, to Reynolds & Branson, Ltd., Wholesale Chemists, Leeds.

WANTED, London Traveller, to call on Chemists, Grocers, Stores, Institutions, etc., for the sale of Perfumes, Powders, and Toilet Products; only first-rate men able to command business need apply. State experience and terms to 215/34, Office of this Paper.

WANTED, by firm of Wholesale Chemists, man for Warehouse; preference given to one who has had good experience in the making of Cod-liver Oil Emulsion. Give full particulars in first letter and state salary required, 189/30, Office of this Paper.

SITUATIONS OPEN

(Colonial, Indian, and Foreign).

3s. 6d. for 50 words or less; **6d.** for every 10 words or less beyond prepaid. Replies addressed to this office will be forwarded to the advertiser for an additional charge of **6d.**

AFRICA.—Manager wanted; steady, capable, pushing Salesman and good Dispenser; 3 years' agreement; salary first year £18 per month, second year £19, third year £20; second-class passage paid out and home. Apply, "F. W. J.," c/o Evans Sons Lescher & Webb, 60 Bartholomew Close, E.C.

CEYLON. — Chemist, with Minor certificate Pharmaceutical Society, required, about 24, single, for first-class British business in Colombo; excellent opening for smart Assistant with experience of good-class trade; passage paid out and home. Apply, with full particulars, to Dakin Bros., Ltd., 82 Middlesex Street, E.C.

INDIA.—Qualified Chemist wanted, pushing Retail Salesman, with good-class experience; 4 years' agreement; salary 200 rupees per month first year, 225 rupees per month second year, same third year, 250 rupees fourth year; second-class passage paid out and home. Apply, "J. W. S.," Evans Sons Lescher & Webb, 60 Bartholomew Close, E.C.

JAPAN.—Qualified Assistant, not under 30; 5 years' agreement; second-class passage paid via Siberia; speaking French or German an advantage; salary first year £144, advancing £12 per annum; free quarters and board; if possible to proceed mid-October. Apply, with copy testimonials and photo, to "R. L.," c/o S. Maw, Son & Sons, Aldersgate Street, E.C.

RANGOON.—Assistant required, age about 25 to 30; Minor qualifications; 4 years' agreement; salary first year 250 rupees per month, rising by 25 rupees per month annually to 325 rupees; passage paid. Apply, stating full particulars as to experience, etc., to Indo Burma Co., Ltd., 108 Wool Exchange, E.C.

SOUTH AFRICA. — Required at once, for an important town, first-class qualified Assistant, not over 24 years; single; one with good Dispensing experience and a knowledge of Photography preferred; 3 years' agreement; second-class passage paid out; salary first year £17, second year £18, third year £19 per month. Apply, by letter, giving full particulars, to "Natal," c/o Messrs. C. J. Hewlett & Son, Ltd., 35-42 Charlotte Street, London, E.C.

SITUATIONS WANTED

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an Additional charge of 6d.

[HOME]. RETAIL.

AFTER ONE INSERTION.

AN ASSISTANT (187/7) writes:—

Sir,—Owing to the fact that I have already received 7 offers of employment in reply to my advertisement of last week a second insertion has become unnecessary.

QUALIFIED; 37; experienced. Williams, Cleve Cottage, Oxford Road, Guildford.

LOCUM; qualified; elderly; disengaged. J. Green, 124 Russell Avenue, Wood Green, N.

QUALIFIED; single; 29; London Store experience. Hunter, 43 St. Mary's Road, Garston.

ASSISTANT; experienced; Dispenser; moderate; outdoors. Dale, 11 Park Lane, Clissold Park, N.

SUNDAY Relief wanted by smart Junior; capable taking charge. Andrews, 79 Camberwell Road.

LONDON or Suburbs.—Qualified; 25; tall; abstainer; disengaged. King, High Street, Irthlingborough.

ASSISTANT or Manager; qualified; experienced and reliable. "Chemist," 109 Fentiman Road, S.W.

JUNIOR Assistant; 20; 5 years' experience. Dispensing, Retail, Photographic. Baines, Etonhurst, Malvern.

MANAGER; tall; varied experience; permanency; married. "Chemist," 15 Clarence Place, West Cliff, Whitby.

BRANCH Manager; long experience; soon disengaged. "Chemist," The Acacias, London Road, Grantham.

MANAGER, qualified (30), seeks engagement; with view to succession preferred. 208/20, Office of this Paper.

JUNIOR; 20; tall; 4½ years' experience. Retail, Dispensing, Photography; abstainer. 211/3, Office of this Paper.

LADY Dispenser (Hall) requires post; Doctor or Institution; London preferred. Wharton, 369 Clapham Road, S.W.

QUALIFIED; 31; disengaged; Extractor; experienced; Manager or Assistant. Davies, Tyewrdd, Llwynhendy, Llanelly.

DISPENSER and Bookkeeper to Surgeon; good references; thoroughly experienced. Stuart, 3 Friary Road, Newark.

LADY Pharmacist requires post; age 23; "Square" trained; apprenticed in Retail. M. Bolton, 36 Dover Street, Hull.

JUNIOR; 17½; good appearance; Photographic; good Counter-man; best references. "Kismet," Central Pharmacy, Marlow.

MANAGER; qualified; middle-aged; good all-round experience; highest references. "G." (211/36), Office of this Paper.

QUALIFIED; 22; good experience, town and country; outdoors; disengaged. "Pharmacist," 42 Albert Street, Brigg, Lincs.

LOCUM or permanency; good all-round experience; 37; disengaged October 14. "Pharmacist," 74 Orleans Road, Liverpool.

JUNIOR; provincial and suburban experiences; good window-dresser; age 21; tall; London preferred. 208/201, Office of this Paper.

ASSISTANT; qualified; 25; tall; part-time or Locum; Brixton or Clapham preferred. "Pharmacist," 23 Gauden Road, Clapham, S.W.

COMPETENT Assistant; Dispenser, Prescriber; well recommended; moderate salary; smart appearance. 210/40, Office of this Paper.

IMPROVER seeks situation in Manchester or Bolton; age 20; good references. Address, "H. B.," 86 Church Lane, Harpurhey, Manchester.

QUALIFIED Lady Dispenser (Minor) requires post (London); good Doctor and Hospital experience and testimonials. 211/38, Office of this Paper.

LADY Dispenser-Bookkeeper; Doctor or Institution; qualified; disengaged; 4½ years' reference last post. "C.," 44 Hollier's Hill, Bexhill-on-Sea.

DISPENSER or Assistant, unqualified (22), tall, in good-class business; excellent references. Stapley, 135 Holland Road, Kensington, London, W.

QUALIFIED; 29; West-End and Store experience; outdoors; London or South Coast preferred. "Chemist," c/o Duncan, 42 Hill Street, Glasgow.

MANAGER, qualified (30), married, desires permanency; good West-End and provincial experience. "H. M. B.," 27 Chandos Avenue, South Ealing, W.

ASSISTANT; 23; unqualified; North (near Manchester) preferred; Dispensing, Photography, Extractor; end of October. Cairns, Porlock, Somerset.

JUNIOR; age 21; 3 years' experience; good Dispensing, Photography; can accept berth immediately; N. London preferred; outdoors. H. Wythe, 90 Sumatra Road, N.W.

ASSISTANT; unqualified; 22; 6½ years' experience; good knowledge Photography; excellent references. "Cortex," 254 Old Christchurch Road, Bournemouth.

ASSISTANT; reliable; good all-round experience, suburban and West End; good references; outdoors; London. "Statim," 22 Rehmore Grove, East Dulwich, S.E.

MANAGER; qualified; 25; over 9 years' experience, London, provincial, and Continental; excellent references. G. B. Daniel, 272 High Road, Wood Green, N.

CITY.—Junior, with City and suburban experiences, seeks re-engagement in the City or West End; window-dresser; height 6 ft.; age 21. 208/21, Office of this Paper.

LOCUM or permanency; any capacity; 41; married; qualified; competent, reliable; excellent experience; highly recommended. Address, 210/37, Office of this Paper.

LOCUM or part-time; experienced; highest references; advertiser is in position to accept moderate remuneration. "Podophyllin," 9 Stanlake Villas, Shepherd's Bush, W.

PERMANENCY required shortly by qualified Senior Assistant; good London experience; outdoors only; London preferred. Brown, 190 Broadhurst Gardens, West Hampstead.

LOCUM; active, reliable; highest references; disengaged October 20 to November 7. Write or wire, R. Garry, Chemist, c/o Mr. T. C. Flower, Chemist, Pier Street, Ryde, I. of W.

UNQUALIFIED Assistant or Branch Manager; Dispenser, Prescriber, Extractor; excellent references; married, no family; disengaged soon. "Chemicus," 5 Grecian Road, Tunbridge Wells.

ASSISTANT; unqualified; 23; tall; disengaged November 13; 7 years' good all-round experience; reliable references; London preferred; outdoors. King, Rosemount Pharmacy, West Byfleet.

QUALIFIED; Minor and Apothecaries' Hall; 30; abstainer; 13 years of good and varied experience; knowledge of Photography; excellent references; disengaged end of October. Please reply, with full particulars, Bayley, 9 Richmond Place, Brighton.

QUALIFIED Foreign Chemist (24), well up in French, German, and English language, and in International Pharmacy (Paris and Leipzig), wishes a post in an English Pharmacy; highest references; moderate salary. Apply to Nic. Muller, Echternach (Luxembourg).

LOCUM; qualified; disengaged till 5th; low terms. 109 St. Leonards Road, Hove.

LONDON.—Qualified; 32; 17 years' experience; tall. Francis, 88 Putney Road, Balham.

MANAGER; 32; married; 18 years' experience. "M.P.S.," 29 Church Avenue, East Sheen, S.W.

DISPENSER, Doctor or Retail; good references "A. C.," 3 Banister Road, Kensington North.

QUALIFIED; 23; good Dispensing experience; London or near. Taylor, 34 Cartwright Gardens, W.C.

PART-TIME Assistant; one or two evenings weekly; good experience; 24. "H. E. C.," 164 Clapham Road, S.W.

DISENGAGED; unqualified; Dispenser, Locum, Assistant; moderate salary. "Statim," 87 Dutton Street, Greenwich.

QUALIFIED; 37; Managership preferred; all-round experience. "Chemist," 23 Welldon Mount, Blackman Lane, Leeds.

IMMEDIATELY; young, unqualified; smart; accurate Dispenser; good experience. "Locum," 31 Whellock Road, Bedford Park, W.

MANAGER; qualified; married; 27; disengaged; 10 years' best experience; highest references. Dunning, Ketley, Wellington, Salop.

JUNIOR or Improver in good house; 3 years in London; age 21. Give full particulars, indoors or outdoors, to 216/10, Office of this Paper.

ENERGETIC Assistant or Branch Manager; Store; mid-age; married; Extractor and Prescriber. "Squills," 131 Heigham Road, East Ham.

RELIEF; three days a week vacant; 36; thoroughly sound all-round experience; well recommended. "Extractor," 36 Cedar Road, Fulham, S.W.

PART-TIME Dispensing, institution or doctor, by Dispenser holding public appointment (male); terms moderate. 212/4, Office of this Paper.

CHEMIST'S Assistant, 10 years' experience, requires Dispenser's berth, Birmingham district. Apply to A. Jones, 141 Bristol Street, Birmingham.

ASSISTANT; 23; good Counterman; all-round experience, Dentistry, Impressions, Stoppings, etc.; own instruments. 216/37, Office of this Paper.

QUALIFIED; elderly; active; exceptional experience and references; temporary or permanent; moderate salary. "P. L.," 87 Chalk Farm Road, N.W.

MANAGER, experienced, age 29, disengaged shortly, desires re-engagement; best references; married. "Phenacetin" (211/10), Office of this Paper.

MANAGER or Locum; 35; abstainer; extensive experience: Photography, Extractions; disengaged. "Qualified," 55 Sandy Road, Seaforth, Lincs.

MANAGER or Assistant; qualified; 27; tall; London or near, or Season Continent; little French; disengaged 14th inst. "Mr. C.," 14 Selwyn Avenue, Richmond.

QUALIFIED; 22; tall; 6 years' experience, Retail, Dispensing, and Photography; Manchester or district preferred, but not essential. Sandbach, Ellesmere, Salop.

NO salary; mornings only; Assistant; unqualified; good Dispensing experience; abstainer; excellent references; interview. Roberts, 34 Thornton Avenue, Chiswick, W.

PART-TIME (London), Tuesday, Wednesday, Friday, and Sunday; 27; good references; unqualified; experienced; Photography. 216/26, Office of this Paper.

ASSISTANT; good Dispenser, Counterman, and hard worker; well up; London or Suburbs; abstainer; 35; permanency. "Rhei," 62 Lancelot Road, Wembley, N.W.

DOCTOR'S Dispenser and Bookkeeper seeks re-appointment; 7 years' experience; excellent references. Apply, "H. E. M.," "White House," High Street, Amersham, Bucks.

QUALIFIED; 26; Counter, Dispensing, knowledge of Photography; West-End experience; outdoors; disengaged. "Phenol," "Murren," Cunningham Park, Wealdstone.

EVENINGS, 3 or 4 per week; qualified. Evenden, 2 Belgrave Terrace, Stockwell.

LOCUM or permanency; 39; experienced; references; reliable. 128 West Green Road, N.

LOCUM, Part-time, or Relief; used taking charge; unqualified. "D.," 27 Ravenstone Street, Balham.

PART-TIME (London); unqualified; age 25; Stock, Dispensing. "Oxaphor," 26 Coram Street, Brunswick Square.

LOCUM; qualified; young, pushing; thoroughly experienced; disengaged October 17. Herington, Sudley Pharmacy, Bognor.

MANAGER; qualified; 34; high credentials; exceptional experience; at liberty October 16. "H.," 128 Highlever Road, W.

TEMPORARY or Locum; 29; qualified; experienced; capable and trustworthy; excellent references. 213/12, Office of this Paper.

QUALIFIED; 27; total abstainer; disengaged; capable Extractor; Liverpool if possible. "Salix" (214/4), Office of this Paper.

LADY Pharmacist, qualified, desires post in or near London in January; hospital experience. "M. D." (213/27), Office of this Paper.

LOCUM or temporary Manager; town or country; experienced Pharmacist; disengaged. Price, Brynamlwg, Crowborough, Sussex.

DISPENSER and Bookkeeper, Surgery; qualified; experience and good reference; 35s. week. Shrimpton, 84 Dongola Road, Plaistow.

MANAGER or Locum; London; qualified; 37; married; all-round experience; disengaged; interview. 213/36, Office of this Paper.

EVENING engagement; qualified; good experience and references. Hoadley, Pharmacist, "Mcirion," Glencairn Road, Streatham, S.W.

LONDON or suburbs; unqualified; outdoors; 28; permanency; 12 years' experience; good references; Photography. 213/8, Office of this Paper.

JUNIOR, Dispensing, Counter work, 5 years' experience, seeks post near Pharmacy School with time to attend classes. 213/4, Office of this Paper.

UNQUALIFIED Assistant; best experience; good references; Photography; early November; outdoors. "Tenna" (214/14), Office of this Paper.

QUALIFIED; 27; Branch Manager or Senior; first-class West End Dispensing and Counter experience; disengaged shortly; outdoors. "Statim," 6 Bourne Place, Chiswick, W.

ASSISTANT; unqualified; 26; tall; disengaged November 1; 10 years' first-class experience; good references; Midlands or London preferred; outdoors. "Calox" (212/22), Office of this Paper.

YOUNG gentleman (20), of good address, requires berth in high or medium class Retail and Dispensing business; thoroughly reliable and energetic; undeniable references. Apply, 208/15, Office of this Paper.

ASSISTANT; 8 years' experience; 4½ years' West End Dispensing and Counter; Photography; Window-dressing; age 24; height 5 ft. 7 in.; South Coast or country preferred; unqualified. 212/14, Office of this Paper.

PHARMACIST (35), married, abstainer, excellent Prescriber, tactful and energetic, 14 years' experience as manager, desires similar position in good business; live on premises, but not essential. "Menthol" (212/16), Office of this Paper.

MANAGERSHIP or good Senior position desired by smart unqualified man; good salesman, obliging Counterman; thoroughly competent Extractor, holding first-class references; now disengaged; view to purchase entertained. Apply, "Extractor," 25 Bavant Road, Norbury, S.W.

ADVERTISER has 30 years' good experience C. & D. trade; knowledge of Wholesale, ordinary Bookkeeping, Extraction, and Photographic; exceptional references; has Managed for many years; desires engagement in trustworthy position; S.E. suburb preferred; unqualified. 40 McLeod Road, Abbey Wood.

SITUATIONS WANTED *(continued).*

STUDENT desires Engagement, six hours daily, as Junior in London; age 21; tall; good references; five years' experience; £1 week. Cullen, Chemist, Norwich.

QUALIFIED; 38; married; 12 years Dispenser in West End; excellent references; wanted responsible position as Manager. Apply 214/29, Office of this Paper.

PERMANENCY or Locum; good Mixed experience; energetic; well recommended; abstainer; 49; single; unqualified. "Prompt," 48 High Street, Uxbridge.

ASSISTANT; 45; unqualified; light berth; moderate salary; whole or part time; able to take charge; trustworthy; references. "D., 10 Whitstable Street, S.E.

UNQUALIFIED (23), abstainer, will shortly require situation; Dispensing, Photographic; 5 years' experience; North preferred. Apply 212/24, Office of this Paper.

QUALIFIED; 27; disengaged; good-class Dispensing and Counter experience, London and provinces; outdoors preferred. "T. B.," Acacia Lodge, Woodhall Spa, Lincs.

ASSISTANT; experienced; permanency; moderate salary; unqualified; good references; married; no family; thoroughly reliable. Taylor, c/o Mr. Vawser, High Street, March.

PHARMACIST, 11 years' experience, London and seaside, seeks permanency as Manager; South Coast preferred; free November 8. Ernest R. Samways, Boulevard Pharmacy, Weston-super-Mare.

UNQUALIFIED; 40; disengaged; competent, reliable; Prescribing, Photography; capable sole charge; good references; married; outdoors; town or country. "Chemist," 6 St. George's Road, Ramsgate.

PHARMACIST, of 22 years' experience, desires Managership with view to succession; successful Prescriber, Photography, Extractor, Optics; country town preferred. Address 212/35, Office of this Paper.

DISENGAGED; smart up-to-date man seeking permanency; 16 years' City and provincial experience; 35; married; no family; Extractor, Prescriber; good Salesman; unqualified. 213/14, Office of this Paper.

WHOLESALE.

INVOICE Clerk; 25; 9 years' experience with 3 prominent London houses. 210/3, Office of this Paper.

TRAVELLER; 32; qualified; 18 years' experience. "M.P.S.," 29 Church Avenue, East Sheen, S.W.

WANTED, situation as Wet or Export Counter; age 32; 10 years' experience. 216/4, Office of this Paper.

GERMAN Pharmacist desires situation in Wholesale; speaks French fluently; small salary. 212/5, Office of this Paper.

AMERICAN Doctor of Medicine, with English Hospital training, desires appointment with Medicine house. Apply, 211/7, Office of this Paper.

YOUNG Man requires trial on Druggists' Sundry Counter; willingly give evenings gratis during trial. Roberts, 8 Buer Road, Fulham.

GOLD Medallist Vienna 1906 for Perfumery; young English qualified Chemist; Specialities, Perfumery and Toilet Preparations. 213/29, Office of this Paper.

EXPERIENCED, up-to-date Traveller, with good personal connection, seeks to Represent first-class Drug or Sundries house; highest references. 197/30, Office of this Paper.

YOUNG Chemist (German) wants situation as a beginner in an Organic Chemical Works, Enamelling Works for preference; salary no object at first. Please address "U. 8209," c/o Daube & Co., Berlin, S.W. 19.

AFIRM with high-class Specialities is required by gentleman calling upon Doctors and Chemists with Drugs, Sundries, etc.; part expenses and commission; highest references. "Mistura," (212/29), Office of this Paper.

TRAVELLER requires engagement by Wholesale House; town or Southern Counties preferred; three years connected with well-known house in these districts; would go abroad; age 36. "Optimus" (213/40), Office of this Paper.

TRAVELLER (Chemist), covering London and suburbs, established connection for own speciality amongst Stationers, Oilmen, and Chemists, desires one other good line; share expenses only required. Thomas, 155 Boundaries Road, Balham, S.W.

TRAVELLING Window-dresser; expert; disengaged shortly; window display schemes organised and conducted throughout. 214/18, Office of this Paper.

RESPECTABLE young man, abstainer, 5 years' good Retail, excellent references, desires experience, Wholesale and Commercial side of business; permanency desired; Retail unsuitable owing to excessive hours; willing to work; 20. 208/8, Office of this Paper.

GENTLEMAN open for additional Agency; at present representing first-class Toilet Firm in four Northern Counties and Scotland; has had Retail and Wholesale experience; good personal connection; highest references; part expenses and commission. 213/9, Office of this Paper.

GENTLEMAN (38), at present representing an old-established Drug house on their North Wales journey, and having also a sound connection over South, East, and West of England, will shortly be open to re-engagement; 10 years' first-class reference. "Smilax" (209/24), Office of this Paper.

SITUATIONS WANTED

(Colonial, Indian, and Foreign).

1s. for 12 words or less; **6d.** for every 10 words beyond, prepaid. Replies addressed to this office will be forwarded to the advertiser for an additional charge of **6d.**

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies or elsewhere abroad.

AUSTRALIA.—Qualified, abstainer, married, aged 34, desires responsible position in Australia; all-round experience; excellent references. 213/16, Office of this Paper.

MISCELLANEOUS.

MADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Telephone 81 Lee Green.

SHARES FOR SALE (free of commission, subject). — 150 Benger's Ordinary, 33s. 9d.; 200 Bais Bros. & Stevenson 5½ per cent. Preference, 13s. 3d.; 410 A. J. White Ordinary, 2s. 4½d.; 300 6 per cent. Preference, 11s. 1½d.; 365 Wright Layman 6 per cent. Preference, 20s. 7½d. x.d.; 200 Van den Bergh "B" 6 per cent. Preference, 22s. 3d.; 4 Camwal Debentures, bid wanted.

WANTED (subject).—300 G. B. Kent Preference, 15s. 3d.; 50 Lewis & Burrows' Preference, 10s. 9d.; Wright Layman Preference, 19s. 4½d. x.d.

List of shares for sale and wanted sent free on application. Bankers, London County and Westminster. Established 1898.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, E.C.

PRINTING FOR CHEMISTS.—Labels, Wrappers, Lists, Folders, Handbills, Stationery; first-class, up-to-date work at very low prices; it costs you nothing to see samples and get quotations; Handbills from 10,000 10s. 9d.; Prescription-envelopes, 1,000 4s. 3d.; Billheads, Memos, Cards, 1,000 3s. 9d.; all carriage paid. Established 1895. Walter Knight (C.), Printer, Rushden, Norths.

SHOPFITTINGS (equal to new).—13-ft. Drugfitting, with Mahogany and Glass-labelled Drawers, etc.; 12-ft. Mahogany and Plate-glass Serving-counter, with Counter Drawers at back; Mahogany and Plate-glass Perfumery Showcase and Desk; 6-ft. Mahogany and Bent Plate-glass Counter Showcase; 10-ft. handsome Mahogany Wall Showcase; 6-ft. Mahogany and Plate-glass Dispensing-screen and Counter, with Sponge-case; all in excellent condition; price £60; ready for immediate use. **PHILIP JOSEPHS & SONS, LTD.**, 93 Old Street, London, E.C.

AMAZINGLY CHEAP LINES IN SECOND-HAND FITTINGS.—1 set of 3 Plate-glass Shelves, 5 ft. 10 in. long by 15 in., 12 in., and 9 in. wide, for shop-window, complete with Bars and Brackets, 60s.; 1 3-ft. set of ditto, 30s.; 1 6-ft. bent-front Counter-case, 70s.; 1 Tooth-brush Case, with 2 Glass Shelves, 21s.; 1 Silent Salesman, 2 ft. by 3 ft. by 1 ft. 6 in., with Glass Shelves, etc., 75s.; 1 12-ft. Drug-fixture, containing Mahogany Gold-labelled Drawers, Shelving, etc., £9; 1 Range of inclusive Counter Drawers, 42s.; 120 Gold-labelled Bottles, assorted sizes, £4 15s. **R. TOMLINSON & SONS**, Headquarters for Chemists' Shopfittings, Bond Street, Constitution Hill, Birmingham.

London, October 13, 1911.

WE, the undersigned, desire to express regret that for some time past we have been listing in our catalogues Mortars and Pestles as "Wedgwood" which were not manufactured by Josiah Wedgwood & Sons, Ltd.; this was quite inadvertent on our part, and we are taking care that it shall not occur in future.

Crowden & Garrod, Ltd.
Geo. Harding & Sons, Ltd.
Jas. Keves & Sons, Ltd.
Treliving & Smith.

100,000 POPPY HEADS for Sale, specially picked, medium size, extra good quality; 15s. 1,000. **Smith, 48 Queen's Road, Old Fletton, Peterborough.**

I GLADLY SEND RENEWAL FEE

one could hardly do without your suggestions and pushful advice, writes a Scottish Chemist. By same post a Lancashire and a New Zealand Chemist also renewed, one for his second and the other for his third year. This ought to convince any chemist that my free booklet, "How I Increase Chemists' Businesses," is worth a postcard application.

BERNARD SLACK, 9 King St., Wolverhampton. Nat. Tel. 581.

A SHARP WINTER IS PREDICTED.

In the Summer, many Pharmacists on my books reported great success of Summer Specialities and Ideas. For Winter new ideas, etc., are in preparation which should have the same success. Send for copy of Booklet, "How to Increase Your Business," explaining my methods and system, sent post free to Pharmacists only. Re Winter Idea last year, a Pharmacist writes:—"The best selling line I ever put up, please send more ideas like it."

BILLYARD ALLISON, Pharmacist & Business Specialist, RETFORD.

Exchange Column—Bargain.

FOR DISPOSAL.

APPARATUS.

SAYRE'S apparatus, complete, strongly made; up to 18 stone; suit institution. **BLAIR, Chemist, Cork.**

TUBE-FILLING machine, 4-gall. size, quite new. Offers to **McCLURMAH, 372 Westgate Road, Newcastle-upon-Tyne.**

BOOKS AND PERIODICALS.

"**PHARMACEUTICAL JOURNAL**," bound in half calf, 1842 to 1867; Jacob Bell's "Progress of Pharmacy," 1843; Stocker's "Pharmacopoeia," 1807; What offers to **DOUGLAS, Chemist, Ripon.**

DENTAL.

LATE model iron American dental chair, adjustable every way by pedal at back, head, face, back, and feet; in absolute new condition; £5 5s.; seen any time. **186 South Lambeth Road.**

DRUGS AND CHEMICALS.

WHAT offers 9 lb. Mitcham lavender oil (old)? **209/23, Office of this Paper.**

HYDRASTIS canadensis, 7 lb., what offers? **WYLLIE, Grassmarket, Edinburgh.**

VIRGIN otto, genuine, $\frac{3}{4}$ oz. Best offer to **WILCOCKSON, Pharmacist, Southampton.**

5 LB. oil lavender, Ang. Mitcham, fine old; 52s. 6d. **LOCKWOOD, Chemist, Pateley Bridge, Yorks.**

WHAT offers, 1 oz. morphia tart., unopened, 2 Carlsbad salt powder, 3s. **DAVIES, 7 Station Street, Porth.**

ONE oz. otto of roses, genuine Bulgarian; 4-oz. lots ol. bergamot; what offer? **McNAUGHT, Chemist, 93 Holm Street, Glasgow.**

50 LB. Von Heyden's salicylic acid, in original 1-lb. packets; any reasonable offer accepted. "**CHEMIST**," 50 King Street, Maidstone.

OVERSTOCKED.—1 cwt. B.P. glycerine, 56-lb. tins, at 110s.; 1 ditto, 28-lb. tins, at 112s.; $\frac{1}{2}$ cwt. pot. bromid., at 1s. 5d. per lb.;

1-lb. bottles ol. caryoph. opt., 5s. 6d. lb.; ounce bottles A. F. & K. otto rose opt., 44s.; ounce bottles santonine, 3s. 6d. each; all carriage paid. **DAVIES, Chemist, Llandyssul.**

MISCELLANEOUS.

FOR sale, 25 large Friedrichshall water; carr. paid; in good condition. **213/35, Office of this Paper.**

5,000 PLAIN strawboard cartons for 6 or 8 oz. bottles, 6s. 1,000, whole or part; also 5 volumes Dr. Andrew Wilson's "Modern Physician," quite new; what offers? **RICHARDSON, 61 Gilling-ton Road, Bradford.**

DENTIST'S case of instruments, forceps, pluggers, excavators, etc.; engine, stool, lathe, vulcaniser, show-case; 60 pieces of laboratory glassware, burettes, retorts, beakers, etc.; Gem pure-water still; enlarging lantern, 7-in. condenser; Nachet's artificial eye; microtome, Swift; microscopio lamp; Will's "Prescription Reading"; 40 "Year-books Pharmacy"; all bargains. Write, **HICKMAN, 5 Abbott's Road, Southall.**

WANTED.

PLATE-GLASS window shelves. **FLETCHER, 209 Oldfield Road, Salford.**

DENTAL chair for branch; upper and lower plated forceps. "C. & H." (214/8), Office of this Paper.

FOUR carboys, not higher than 30 in. to top of stopper. **BRUNSDEN, Crown Street, Reading.**

"**LONDON PHARMACOPŒIA**," 1851 or 1824 edition. Miss **NEWMAN, 57 Crouch Street, Colchester.**

OPTICAL books; Minor, Major Chemists' books; send prepaid for valuation; cash offers per return. **GOWER, Bookseller, Waterloo, Liverpool.**

SCALES, second-hand, small, weighing up to 6 oz.; also few second-hand moulds for soap tablets. **L. C. HALL, Shepperton-on-Thames, Middlesex.**

2 OZ. square-cut bicarb. soda bottles with flattened hollow cut stopper; good price paid. **PRICHARD & CONSTANCE (WHOLESALE), LTD., 71 Newman Street, London, W.**

RECIPE for good 1-bottle hair-dye, browns and black, not containing silver, copper, lead; must not deteriorate in the bottle nor wash off nor cause irritation of the skin or scalp. Send sample and state price to **ATLAS MANUFACTURING Co., 234 George Street, Brisbane, Australia.**

COMING EVENTS.

This section of the "C. & D." is reserved for advance notices of meetings or other events which are sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Saturday, October 14.

Brewers' Exhibition, Royal Agricultural Hall, London, N., opens, and remains open until October 20.

Tuesday, October 17.

Sunderland Pharmaceutical Association, Grand Hotel, at 8.45 P.M. Annual meeting.

Wednesday, October 18.

Royal Microscopical Society, 20 Hanover Square, London, W., at 8 P.M. Mr. T. W. Butcher, "Structural Details of *Coscinodiscus astromphalus*"; Mr. A. Flatters, "Abstract of Paper on the Wheat Plant"; Rev. Hilderio Friend, "New British Enchytraeids"; Mr. Walter Bagshaw, "Instantaneous Exposure in Photomicrography."

Public Pharmacists' and Dispensers' Association, St. Bride Institute, Bride Lane, London, E.C., at 8 P.M. Opening of the session: inaugural address by Mr. W. S. Glyn-Jones, M.P. Mr. J. C. Umney will be in the chair, and pharmacists generally are invited to be present.

Portsmouth Pharmacists' Association, County Club, at 9.30 P.M. Reunion of members and opening meeting of the winter session.

Bournemouth Pharmaceutical Association, Gervis Hall Restaurant. Annual dinner. Tickets (5s. each) from Mr. W. A. Bingham, Hon. Secretary, 58 Charmingston Road.

Sheffield Pharmaceutical and Chemical Society. Annual general meeting.

Thursday, October 19.

Chemical Society, Burlington House, London, W., at 8.30 P.M. Among the papers to be read are the following: "The Action of *Allium Sativum* on Lead and Mercury," by Mr. H. Banerjee; "*p*-Methoxysalicylaldehyde and its Occurrence in the Root of a Species of *Chlorodon*," by Messrs. E. Goulding and R. G. Pelly; "The Alkaline Condensations of Nitrohydrazo Compounds—Part I," by Messrs. A. G. Green and E. A. Bearder; "A Simple Piece of Apparatus for Sublimation *in vacuo*," by Mr. H. Christopher; "A Note on the Dehydration of Crystals," by Mr. J. B. Firth.

Liverpool Chemists' Association, Royal Institution, Colquitt Street, at 8 P.M. Mr. A. C. Abraham, "Notes on the Recent British Pharmaceutical Conference Papers."

Nottingham Pharmaceutical Association, Victoria Hotel, at 8 P.M. Annual dinner, at which the President of the Pharmaceutical Society (Mr. C. B. Allen) will be present. Tickets (4s. 6d. each) from the Hon. Secretaries, Mr. J. Freeman, 57 Mansfield Road, and Mr. E. E. H. Turton, 2 Chapel Bar.

Chemists' Assistants' Association, 73 Newman Street, Oxford Street, London, W., at 9 P.M. Social evening.

INSTITUTE OF OPHTHALMIC OPTICIANS.—A lecture will be given by Dr. George Lindsay Johnson, M.A., M.D., F.R.C.S., on October 25, entitled "Some New and Unpublished Discoveries in Connection with the Eye and Colour Photography," supplemented by another short lecture on "The Obligations of the Opticians." All members of the trade can have tickets by applying to Mr. J. Harcombe Cuff, Hon. Secretary, 25 Friern Barnet Road, New Southgate, London, N.

POISONING FATALITIES.

THIRTEEN deaths, of which four were by misadventure, have been reported since our issue of last week.

Chloral Hydrate.—The death of Mr. Tom Pearson (55), late dispenser at the Chesterfield and North Derbyshire Hospital, was due to an overdose of chloral. Mr. Pearson had resigned his post, owing to ill health, on September 30, after holding it for fourteen years.

Chlorodyne.—At Buckland, Elizabeth Rose (39) died from pneumonia set up by an accidental overdose of this preparation.

Disinfectant Fluid.—Several persons were poisoned on board the sailing-ship *Bouganville*, lying off Barking Creek, through drinking disinfectant fluid in mistake for wine. H. Burrough, stockbroker, expired almost immediately, and three other gentlemen were removed to Poplar Hospital. The disinfectant fluid is one smelling strongly of carbolic

acid, and the captain of the vessel states that the wine and disinfectant were kept in separate places, while wine-bottles had a black seal and carbolic-acid bottles a red seal. The bottle from which the fatal drink was taken had a black seal.

Laudanum.—At Sheffield, Henry Phillips, tailors' manager, died from the effects of laudanum-poisoning.

Nicotine.—A Stourbridge nurseryman named Edward Elt (64) used an insecticide containing nicotine for purposes of self-destruction.

Opium-poisoning was responsible for the death of Margaret Cash (20) at Stockport.

Oxalic Acid.—Nancy Holden (44), of Darwen, killed herself by intentionally taking a quantity of oxalic acid.—At Halifax a Coroner's jury found that Sarah Marshall (62) committed suicide while temporarily insane by taking some irritant poison, probably oxalic acid.

Potassium Cyanide taken intentionally, with fatal results, by Francis Fredk. Garsberg (50), surgical-instrument maker, Wilmington Square, London, W.C., and Wm. Alfred Till, farmer, Downend, Bristol. At the inquest on the latter, Mr. Ernest Alfred Chard, chemist and druggist, assistant to Mr. Frank Moss, pharmacist, Staple Hill, deposed that he had known deceased for some years. He had purchased cyanide of potassium on two or three occasions, and said it was for destroying wasps. On October 5 he drove up to the shop and sent his man in with a note as follows: "Please let boy have 6d. cyanide of potassium, and oblige, Wm. Till." The boy signed for him in the poison-book produced.

Prussic Acid.—At the inquiry held by the Manchester City Coroner (Mr. Gibson) relative to the death of Mr. Joseph Hanson, Clarendon Road, Whalley Range, chemist and druggist, it was stated that Mr. Hanson was found dead in his pharmacy at 44 Preston Street, Hulme. It appeared that deceased was sitting in a chair at the rear of shop near a desk on which were some bottles, one of them containing prussic acid. A prescription for a mixture was also found near by. It was stated that Mr. Hanson had been complaining of stomach troubles. Dr. Hislop said his *post-mortem* examination showed distinct evidence of prussic acid both in the lungs and stomach. He had examined bottles found near deceased. One contained prussic acid and the other bicarbonate of soda, and deceased might have taken the wrong bottle. The prescription was simply a mixture for indigestion. After deliberating in private, the jury returned a verdict of "Death from misadventure."

Salt of Lemon.—At Bradford, Clara Bentley (21) poisoned herself with salt of lemon.

Spirit of Salt caused the self-inflicted death at West Hartlepool of Mary Jane Fryer, servant, and of Mary Day (35) at Bristol.

Strychnine.—At Grantham, Mary Ann Woodcock (46) committed suicide by taking rat-poison. Mr. John Cheshire, chemist and druggist, of 63 Wharf Road, Grantham, deposed at the inquest that deceased asked him for some poison for rats. He showed her three preparations, two of which were harmless to human life, and the third was a very deadly poison. She decided to take the last named, and signed the poison-register, departing apparently in good health. Mrs. Woodcock was very cheerful; in fact, he believed more cheerful than usual. The preparation she purchased contained strychnine.

TRADE-MARKS APPLIED FOR.

(From the "Trade-marks Journal," September 27, 1911.)

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"COUNTRESS," and label design with coronet; for cameras (8). By C. W. Casswell, Hampden House, Kingsway, London, W.C. 335,693.

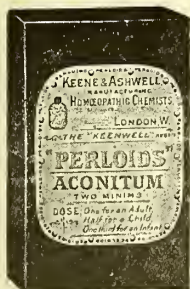
"RIMLUC"; for instruments and apparatus (8). By George Culver, Ltd., 101 White Lion Street, Pentonville, Middlesex. 335,902.

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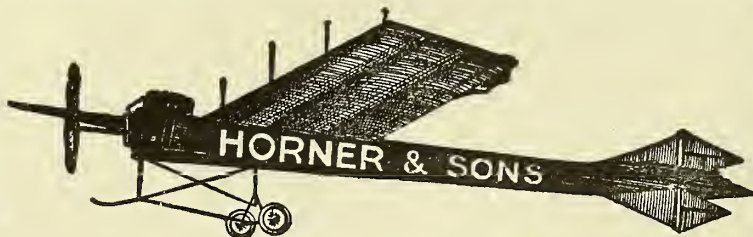
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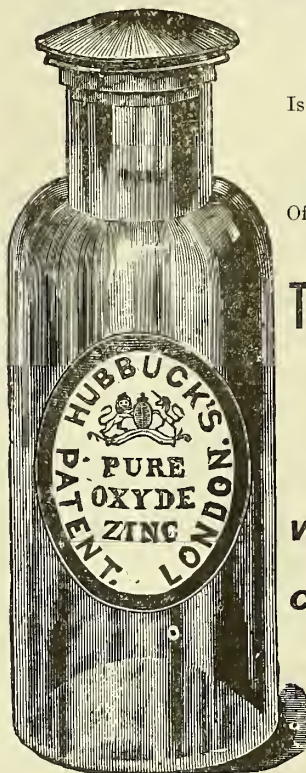
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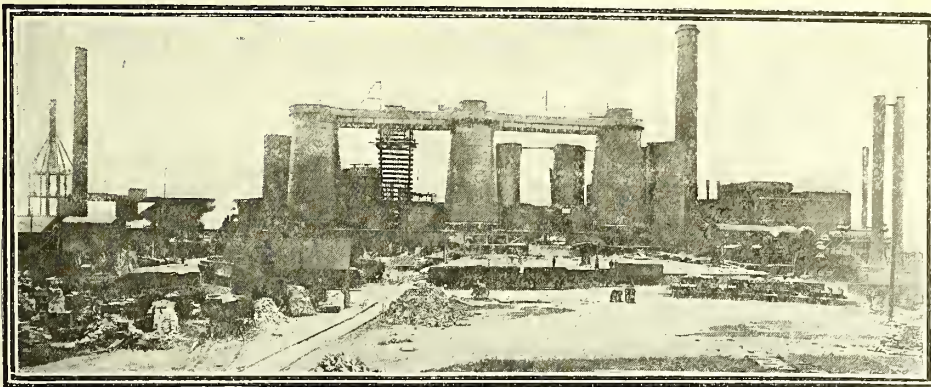
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Quotations to**The Hoffmann-La Roche Chemical Works, Ltd., 7-8 IDOL LANE, E.C.****"WOODWARD'S GRIPE WATER"**  
or Infant's Preservative.*For the Familiar Ailments of Infants and Young Children.***Price 1s. 1½d. per Bottle.**

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**W. WOODWARD, Ltd., NOTTINGHAM, ENGLAND.**

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**J. TAYLOR & SONS, LIMITED,**250, 288 & 290 Southampton Street, Camberwell, LONDON, S.E.,  
and Old Corn Exchange, Mark Lane, LONDON, E.C.**SEED IMPORTERS AND CRUSHERS TO THE TRADE.**Best Crushed Linseed - - 25/- cwt.  
„ Linseed, Tea - - 24/6 „

Bags Free. Delivered London and rails. Terms, net cash one month. Samples on application.

Specially packed in Barrels for Export 2 - cwt. extra.

Bankers: London County &amp; Westminster, Lothbury, E.C.

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131 Curtain Rd., LONDON, E.C.

IMPORTERS OF

**SHELLAC**

Of all kinds.

Manufacturers of

**WHITE SHELLAC****SAL HEPATICA.**

PUT UP FOR EXPORT.

Small size, 3 oz. bottle, in case.  
Medium „ 7 „ „ „  
Large „ 16 „ „ „

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BARBADENSE.

# Surgical Dressings

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NEW CHARFORD MILLS, BIRMINGHAM.

**W. G. TAYLOR,**

A Branch of Southall Bros. &amp; Barclay, Ltd

(Established 60 Years.)

WHOLESALE ONLY.

Manufacturer of  
LINTS, ABSORBENT  
COTTONS & GAUZES, at  
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*Surgical and Athletic Appliance Manufacturer.*

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### SPECIALITIES FOR WINTER.

CHEST PROTECTORS. CHAMOIS VESTS. LUMBAGO BELTS AND PADS.

BELTS FOR LADIES AND GENTLEMEN, FOR WARMTH AND SUPPORT.

Made in Fleecy Felt, Chamois, &amp;c.

SLEEPING SOCKS. MAGNETIC AND OTHER SOCKS TO PUT IN BOOTS. CHILBLAIN SOCKS.

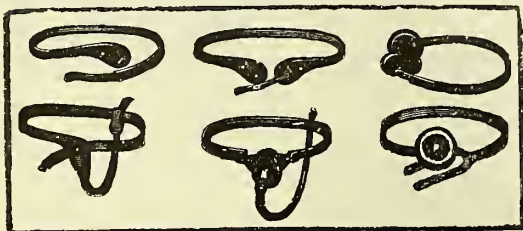
### WRISTLETS AND ELBOW SUPPORTS

In India Rubber, Leather, &amp;c., for CRICKETERS, GOLFERS and HOCKEY PLAYERS.

HOT WATER BOTTLE COVERS, in Felt, Flannel, Plush, &amp;c. CRICKET, FOOTBALL &amp; HOCKEY GUARDS

*Invalids waited upon at their own Residence (by Lady Attendant) if wished.*

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## TRUSSES

WHOLESALE.  
BEST QUALITY.ACTUAL MAKERS.  
BOTTOM PRICES.**MADE ON THE PREMISES.**

Specials Despatched in 24 hours.

*Illustrated Price List free*

|                                                  |      |         |
|--------------------------------------------------|------|---------|
| Bailey's Circular Trusses                        | 23/- | Double. |
| 2nd quality                                      | 37/- |         |
| " Special "Marone" with Customer's Name in Gold. | 26/- | 43/-    |

Correspondence invited.

Best Shipping Terms.

**38 Oxford St., LONDON, W**

The Original and only Genuine

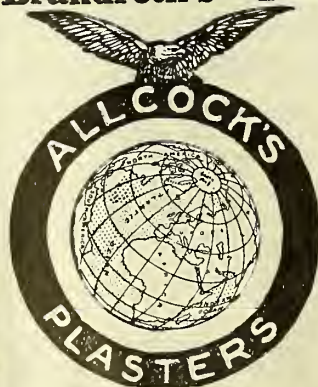
## Allcock's

### POROUS PLASTERS

A REMEDY OF 60 YEARS' STANDING.

Allcock's Plasters  
Allcock's Corn and  
Bunion Plasters  
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The  
Three  
Rollables.



A HANDSOME  
SHOWCARD  
will be sent  
free of cost  
and post paid  
on application.

ALLCOCK  
MANUFACTURING  
COMPANY

22 Hamilton Sq.,  
Birkenhead.

*"Sold all round the World."*

**PRICES ISSUED WEEKLY.**

Original Packages can generally be supplied at the Current Prices quoted in the Trade Report of this paper on Terms as below.

- A**cid. Acet. Glacial, 99%, Carboys, 160 lbs. @ 4½d. lb.; 12 6-lb. bots. @ 6½d. lb.; 6 lbs. @ 8d lb.
- Acid Acetylo-Salicyl, 56 lbs @ 2/4 lb.; 7 lbs. @ 2/7 lb.; 1 lb. @ 2/9 lb.
- " Carbol Xtls., 39/40; 2½ cwt. Drums. @ 6½d. lb.; 56 lbs. @ 6½d. lb.; 10 lb. Tins @ 6/6 each; 36 1-lb. Bots. @ 9½d. lb.; Single Bots. 1/- lb.; Detached Cryst. 10 lb. Tins @ 8/- each, 1 lb. @ 1/- lb.
- " Citric xts., B.P. '85, 1 cwt. @ 1/5 lb.; 7 lb. in Bags @ 1/6 lb.; powder ¾d. lb. extra.
- " Diethylbarbituric, 16 oz. @ 26/- lb.; 1 oz. @ 2/1 oz.
- " Tart. cryst. or pulv., B.P. 1885, 1 cwt. @ 1/1 lb.; 7 lbs. @ 1/2 lb.; parv. ¾d. lb. extra.
- Adeps Benz., B.P., 28 lbs. @ 7½d. lb.; 7 lbs. @ 8½d. lb.
- Ammon. Brom., P.B., 1 cwt. @ 1/8½ lb.; 7 lbs. @ 1/10½ lb.
- Amyli Pulv., 10 cwt. @ 11/6 cwt.; 2½ cwt. @ 12/- cwt.; 1 cwt. @ 14/- cwt.
- B**ismuth, P.B., Carb., 7 lbs. @ 8/10 lb.; 3 lbs. @ 9/1 lb.; 1 lb. @ 9/3 lb.; subnit., 1/- lb. less.
- C**ampbor, English Flowers, "not artificial," 5 lbs. @ 2/- lb.; ½ of ½ oz. 7 lbs. @ 2/- lb. Cetaceum, No. 1, fine white English, 64 lbs. @ 1/2½ lb.; 7 lbs. @ 1/4 lb.; powder, 7 lbs. @ 1/9 lb.
- Cocaine Hydrochlor, B.P., 25 ozs. @ 8/6 oz.; 4 ozs. @ 9/- oz.; 1 oz. @ 9/5 oz.
- Cream Tartar, 98% powder, 1 cwt. @ 93/- cwt.; 7 lbs. @ 10½d. lb.
- O**l. Cocoa Nuclei, finest White, 80 lbs. @ 55/- cwt.; 40 lbs. @ 57/- cwt.
- Ol. Eucalypt., B.P., 1 cwt. @ 1/1½ lb.; 28 lbs. @ 1/2½ lb.; 9 lbs. @ 1/3½ lb.
- Ol. Geranii Gall. Opt., 1 lb. @ 18/6 lb.; 8 1-oz. bots. @ 2/1 oz.; 1 oz. @ 2/3 oz.; Turc., 1 lb. @ 12/6 lb.; 4 ozs. @ 15/- lb.
- Ol. Juniperi Bacc., B.P., 4½ lb. @ 3/6 lb.; 1 lb. @ 3/10 lb.; Ligne Exot., 1 cwt. @ 1/2 lb.; 28 lbs. @ 1/4 lb.; 9 lbs. @ 1/5 lb.
- Ol. Lavand. ab Flor., 5 lbs. @ 10/- lb.; 1 lb. @ 10/6 lb.
- Ol. Menth. Pip. English, 5 lbs. @ 33/6 lb.; 1 lb. @ 35/- lb.; Hotchkiss original bots., 21 oz. each @ 16/3 lb.; 6 bots. @ 15/9 lb.; 18 bots. @ 15/6 lb.; American, 20 lbs. @ 12/9 lb.; 4½ lbs. @ 13/5 lb.; 1 lb. @ 13/11 lb.
- Ol. Morrhuæ, Nov. 1911, finest non-freezing, 25 gall. tin-lined barrels @ 120/- per barrel; 2-gall. tins @ 6/- per gall.
- Ol. Myristica, 7 lbs. @ 3/4 lb.; 1 lb. @ 3/8 lb.
- Ol. Nucis Pallid., 45 galls. @ 3/8 gall.; 2 gall.-tins @ 4/6 gall.
- Ol. Olivæ P.B., good yellow, guaranteed pure, 45-gall. Barrels @ 4/8 gall.; 2 galls. @ 5/8 gall.; fine Cream, 9 lb. tins @ 7/2 each
- Ol. Santal Flav. Ang. B.P., 5 lbs. @ 10/11; 1 lb. @ 11/3 lb.
- P**ix. Burgund. Druggists', 1½ cwt. @ 25/6 cwt.; 7 lbs. @ 4½ lb.
- Q**uinine Hydrochlor, B.P., 100 ozs. @ 10½d. oz.; 25 oz. @ 11½d. oz.; 10 oz. @ 1/1 oz.
- Quinine Sulph., B.P., 400 ozs. @ 6½d. oz.; 100 ozs. @ 6½d. oz.; 25 ozs. @ 7½d. oz.; 10 oz. @ 8d. oz.
- \*Tinct. Cinchon. Rub., P.B., 5 lbs. @ 3/- lb.; bond, 10d. lb.
- \*Tinct. Digitalis, B.P., 5 lbs. @ 2/8 lb.; bond, 6½d. lb.
- \*Tinct. Gelsem. P.B., 5 lbs. @ 2/10 lb.; bond, 6½d.
- \*Tinct. Gentiana Comp., B.P., 5 lbs. @ 1/11½ lb.; bond, 6½d. lb.
- \*Tinct. Hyoscyami, B.P., 5 lbs. @ 2/5 lb.; bond, 7½d. lb.
- \*Tinct. Iodi, B.P., 5 lbs. @ 3/11 lb.; bond, 1/1½ lb.; decolor, 5 lbs. @ 4/3 lb.; bond, 1/0½ lb.
- \*Tinct. Lavandule Comp., B.P., 5 lbs. @ 3/10 lb.; bond, 7½d. lb.
- \*Tinct. Myrrhæ, B.P., 5 lbs. @ 3/9 lb.; bond, 9½d. lb.
- \*Tinct. Nucis Vom., B.P., 5 lbs. @ 2/10 lb.; bond, 6d. lb.
- \*Tinct. Quinæ Amm., B.P., 5 lbs. @ 2/6 lb.; bond, 11d. lb.
- \*Tinct. Rhei Co., B.P., 5 lbs. @ 2/2 lb.; bond, 9d. lb.
- \*Tinct. Scillæ, B.P., 5 lbs. @ 2/6 lb.; bond, 7½d.
- \*Tinct. Senegæ, P.B., 5 lbs. @ 3/1 lb.; bond, 1/3½ lb.
- \*Tinct. Strobilanthe, P.B., 5 lbs. @ 3/5 lb.; bond, 8½d. lb.
- \*Tinct. Valeriana, 5 lbs. @ 2/8 lb.; bond, 6d.
- \*Tinct. Valeriana Ammon., P.B., 5 lbs. @ 3/1 lb.; bond, 8½d. lb.
- \*Tinct. Zingib., P.B., 5 lbs. @ 4/- lb.; bond, 6½d. lb.
- \*Tinct. Zingib. Fortior. 5 lbs. @ 4/3 lb.; bond, 10½d. lb.

**BISMUTH. LIN. CAMPH. SALICYLATES.**

- D**isinfecant Fluid, soluble, 45 galls. @ 1/2 gall.; 5 galls. @ 1/8 gall.; 1 gall. @ 2/- gall.
- E**ss. Limonis (oil) original coppers, 14 lbs. @ 4/6 lb.; 6 1-lb. bots. @ 4/9 lb.; not guaranteed absolutely pure.
- G**lycerin. Opt., D.D., 1260 P.B., 1 cwt. @ 112/- cwt.; 56 lbs. @ 113/- cwt.; 12 lbs. @ 1/3½ lb.
- H**oney, Pale Set, Jamaica, 3½ cwt. @ 39/- cwt.; 28 lbs. @ 50/- cwt.; Californian ¾ cwt. @ 60/- cwt.; 7 lbs. @ 7½d. lb.
- I**chthyol Ammon., 3 lbs. @ 10/9 lb.; 1 lb. @ 11/- lb.; chemical substitute: Ammon Ichthiolsulphonas, B.P. Codex, 7 lbs. @ 5/- lb.; 1 lb. @ 5/6 lb.
- Insect Powder, Opt. English grd., closed flowers, 28 lbs. @ 1/8 lb.; 7 lbs. @ 1/9 lb.; English Ground, ¾ closed flowers, 4d. lb. less; Foreign Ground, 1 cwt. @ 80/- cwt.; 28 lbs. @ 9d. lb.
- \***L**in. Aconiti Metb., 5 lbs. @ 1/2 lb.; 1 lb. @ 1/5 lb. [1/8 lb.]
- \***L**in. Bellad. Meth., 5 lbs. @ 1/5 lb.; 1 lb. @ 1/10 lb.
- \***L**in. Campb. P.B., 40 lbs. @ 1/- lb.; 9 lbs. @ 1/1 lb.
- Lin. Sapo Meth., 9 lbs. @ 7d. lb.
- Lin. Tereb. Acet., B.P., 9 lbs. @ 1/- lb.
- Linseed c. Oil, Crushed, 3 cwt. @ 24/6 cwt.; 1 cwt. @ 25/- cwt.
- M**yrh, Gum, English Ground, 28 lbs. @ 10d. lb.; 7 lbs. @ 1/1 lb.
- R**ad. Jalap, English Ground, 28 lbs. @ 2/- lb.; 7 lbs. @ 2/2 lb.
- S**accharine, .550 or .500, 7 lbs. @ 26/- lb.; 1 lb. @ 27/6 lb.; .330 or .300, 7 lbs. @ 24/- lb.; 1 lb. @ 25/6 lb.
- Soda Salicyl., pulv., 7 lbs. @ 1/5 lb.; phys. pur. 28 lbs. @ 2/2 lb.; 1 lb. @ 2/5 lb.
- Sodii Bromid. P.B., 1 cwt. @ 1/7½ lb.; 7 lbs. @ 1/9½ lb.
- Strontia Bromid., 1 cwt. @ 1/4 lb.; 7 lbs. @ 1/7 lb.; 1 lb. @ 1/10 lb.
- Sulphonal, P.B., 1 lb. @ 10/4 lb.
- T**inct. Aurantii Recens, B.P., 5 lbs. @ 3/6 lb.; bond, 8½d.
- \***T**inct. Belladon., B.P., 5 lbs. @ 2/11 lb.; bond, 6½d.
- \***T**inct. Benzoini Comp., P.B., 5 lbs. @ 3/5 lb.; bond, 8½d.
- \***T**inct. Camph. Comp. P.B., 5 lbs. @ 2/5 lb.; bond, 6½d.
- \***T**inct. Cantbaridis, P.B., 5 lbs. @ 3/9 lb.; bond, 6d. lb.
- \***T**inct. Capsici, B.P., 5 lbs. @ 3/3 lb.; bond, 6d. lb.
- \***T**inct. Card. Comp., P.B., 5 lbs. @ 2/6 lb. bond, 6½d. lb. [7½d. lb.]
- \***T**inct. Catechu, P.B., 5 lbs. @ 2/8 lb.; bond, 8½d.
- \***T**inct. Chlorof. c. Morph., B.P., 1885, 5 lbs. @ 1/11 lb.; bond, 1/5½ lb.
- \***T**inct. Cinchon. Comp., B.P., 5 lbs. @ 3/5 lb.; bond, 1/2 lb.
- Treacle (Black), 5½ cwt. @ 7/6 cwt.; 24 lbs. @ 2d. lb.
- Turpentine (Best American), 1 gal. tins @ 4/1 each.
- U**ng. Acid. Boric, P.B., 28 lbs. @ 6d. lb.; Flav. 28 lbs. @ 4½d. lb.
- " Acid Carbol. B.P., 28 lbs. @ 8d. lb.; 7 lbs. @ 9d. lb.; 1 lb. @ 11d. lb.
- " Galle, P.B., 7 lbs. @ 1/- lb.; 1 lb. @ 1/2 lb.; c. Opio, 7 lbs. @ 3/- lb.
- " Hydrargyri, B.P., 28 lbs. @ 1/11 lb.; 7 lbs. @ 2/- lb.
- " Hydrarg. Ammon. B.P., 28 lbs. @ 11d. lb.; 7 lbs. @ 1/2 lb.
- " Hyd. Nit. Dil., 7 lbs. @ 10d. lb.
- " Paraff. Alb., P.B., 28 lbs. @ 7d. lb.; 7 lbs. @ 8d. lb.; 1 lb. @ 10d. lb.; Flav. 28 lbs. @ 5d. lb.; 7 lbs. @ 6½d. lb.
- " Resina, P.B., 28 lbs. @ 10d. lb.; 7 lbs. @ 11d. lb.
- " Sulphuris, B.P., 28 lbs. @ 7d. lb.; 7 lbs. @ 8d. lb.
- " Zinc Oxid. Benz. B.P., 28 lbs. @ 7½d. lb.
- Z**inci Oleat Powder B.P.C., 7 lbs. @ 2/- lb.
- Zinci Oxid., Whitest and Lightest, B.P., 1 cwt. @ 38/- cwt.; 28 lbs. @ 5d. lb.; 7 lbs. @ 6d. lb.
- Zinci Sulph., pure, 1 cwt. @ 15/- cwt.; 28 lbs. @ 2½d. lb.
- Sulphocarbolas, B.P., 7 lbs. @ 10½d. lb.; 1 lb. @ 1/1 lb.

\*Minimum quantity at these prices: Home Trade, 8 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted

NOTE.—Only Terms Net Cash with order without discount, or orders accepted through London Merchants or Bankers.  
Goods carriage forward; all packages free; Export cases extra.**ALLIANCE DRUG & CHEMICAL CO., LONDON.**

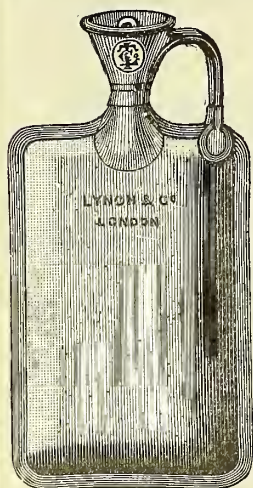
Office: 34 LEADENHALL STREET.

KINDLY DETACH THIS SHEET AND PLACE IT IN YOUR BUYING BOOK.

# LYNCH'S RUBBER Hot-Water BOTTLES

BEST BRITISH  
MANUFACTURE.

QUALITY & WEIGHT GUARANTEED.



|                  |      |
|------------------|------|
| 6 × 8 ... each   | 3/1  |
| 6 × 10 ... each  | 3/5  |
| 6 × 12 ... each  | 3/10 |
| 8 × 10 ... each  | 4/5  |
| 8 × 12 ... each  | 4/9  |
| 8 × 14 ... each  | 5/2  |
| 10 × 12 ... each | 5/8  |
| 10 × 14 ... each | 6/4  |
| 10 × 16 ... each | 6/10 |
| 12 × 14 ... each | 7/2  |
| 12 × 16 ... each | 7/11 |

TWO YEARS GUARANTEE.

Subject to 5% Discount, and £2 worth  
CARRIAGE PAID.

In 14 lb. Lots 5/5 lb. Net.

CUSTOMER'S OWN NAME FREE ON 3 DOZEN.

COMPLETE PRICE LIST  
:: ON APPLICATION. ::

**MAY ROBERTS & Co., Ltd.,**  
LONDON AND DUBLIN.

## DOUCHE CANS.



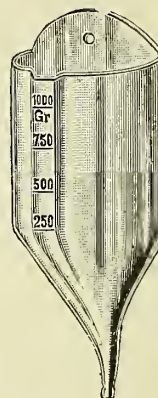
All types  
in stock:

Best Bronze

Nickel Plated

Enamelled Iron

Glass.



Fittings { Best Black Para Rubber.  
Red Ribbed. Best Transparent.

Enemas.

Sprays.

Ice Bags.

Air Cushions.

Hot-water Bottles.

All Rubber Sundries.

Apply for Prices :

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CHEMISTS, DRUGGISTS, &  
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Possess exceptional facilities for the intro-  
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Medicines, Druggists' Sundries, Perfumery.  
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## DISPENSING BOTTLES & PHIALS.

We make first and second quality and  
supply them at lowest possible prices.

The New Oval Fronted Shape  
The Round Edge Shape  
Panel Bottles  
White Phials

Please send us a copy of the order you  
require and we will quote lowest prices.

We send 6 gross assorted, or otherwise, Carriage Paid ;  
smaller quantities, not Carriage Paid.

**I. ISAACS & Co.,**

106 Midland Road, St. Pancras, LONDON.

Established 120 Years. Bankers: London County and Westminster Bank.

# HOT-WATER BOTTLES

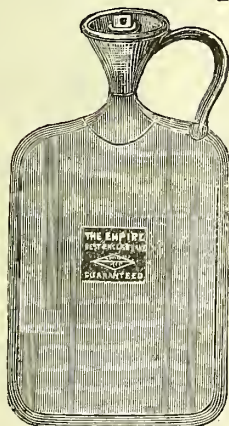
## ONE QUALITY ONLY—THE BEST

### REDUCTION IN PRICES

#### GUARANTEED FOR 2 YEARS.

### "THE EMPIRE BRAND."

Both heavy and light Bottles are made from **best quality rubber.**



|                                     | Sizes | 6 x 8 | 6 x 10 | 6 x 12 | 8 x 10 | 8 x 12 | 8 x 14 | 10 x 12 | 10 x 14 | 12 x 14 |
|-------------------------------------|-------|-------|--------|--------|--------|--------|--------|---------|---------|---------|
| Top or side handle                  |       |       |        |        |        |        |        |         |         |         |
| Heavy make ... .. each              |       | 3 0   | 3 4    | 3 9    | 4 0    | 4 4    | 4 9    | 5 0     | 5 4     | 6 6     |
| Light " " " " " " each              |       | 2 9   | 3 0    | 3 5    | 3 6    | 3 10   | 4 6    | 4 8     | 5 0     | 6 1     |
| Covers, scarlet or grey plush, each |       | 0 2   | 0 8    | 0 10   | 0 10   | 0 11   | 0 11   | 0 11    | 1 0     | 1 2     |
| " " " " " " felt " each             |       | 0 5   | 0 5    | 0 6    | 0 6    | 0 7    | 0 7    | 0 8     | 0 10    | 1 0     |

N.B.—The metal collar in both heavy and light Bottles is **vulcanized into the rubber neck**, thus making it practically one solid piece and doing away with all possibility of leakage.

For orders of **two dozen** bottles assorted we will put tablet with customer's name on free of charge.

Each Bottle in a strong paper bag with directions for using.

5% discount allowed for prompt cash off above prices. Carriage paid on Orders of £2 and upwards to any town in the United Kingdom.

We are the right House for Catheters, Enemas, Elastic Hosiery, Hot Water Bottles, Injection Syringes, Pessaries, Sponge Bags, Trusses, Water Beds, Water and Air Cushions, Waterproof Sheetting, and every description of Rubber Goods.

FIG. 957.—Side Handle.

WRITE FOR ILLUSTRATED PRICE LIST, POST FREE.

OUR GOODS ARE RIGHT AND PRICES LOW.

## BURGE, WARREN & RIDGLEY, LTD.

91 & 92 GT. SAFFRON HILL, LONDON, E.C.

# OPAL GLASS

## BOTTLES AND JARS.

MACHINE AND HAND BLOWN AND PRESSED.  
WHITE AND BLUE.

### O. A. PFEIFER, 69 Farringdon Road, LONDON, E.C.

WHOLESALE AND EXPORT ONLY.

\* **Astounding Prices.** \*



**BOTTLES** DISPENSING 8 oz., 3 & 4 oz., 2 oz.  
**7/- 6/- 5/9**  
per gross net.  
**YORKSHIRE MAKE.** GREEN PANELL  
1/- gross extra.

PLAIN OR GRADUATED. OTHER SIZES AT PROPORTIONATELY LOW PRICES.

Crates 1/- each, containing 6 gross.

Carriage paid within 100 miles of Leeds.

**CORKS.** Four sizes (1 dr. to 8 oz.)  
in 6 gross bags of one size  
6d. per gross.

**TERMS.** Net Cash 7 days. Trade references required on opening new account.

\* **THOMAS SWALES** \* Druggists' Sundryman  
24 BUTT'S CT., LEEDS \* \*



## Vincent Wood's

GOLD MEDAL  
BRITISH MADE

### HOT-WATER BOTTLES.

QUALITY GUARANTEED.

Also Special New  
**LAMBS' WOOL COVERS, LUNG PRO-  
TECTORS, WINTER BODY BELTS,  
TRUSSES, etc.**

SEND FOR LIST, &c.  
4 Albion Place, Blackfriars Bridge, London, S.E.

**FRED<sup>K</sup>. FINK & CO.**

10 &amp; 11 MINCING LANE, LONDON, E.C.

**SPECIALITIES:** Gums Arabic and Tragacanth as imported or finely powdered—Dextrine, Camomiles, Honey. Waxes of all kinds for Boot Polishes, &c.

**MENTHOL CONES of all kinds**

for Home and Export Trade.

IN WOODEN and NICKEL CASES.

CAUSTIC POINTS of all strengths.

ALUM PENCILS.

COPPER SULPHATE PENCILS.

WART PENCILS.

INSECT PENCILS.

COURT PLASTER, loose and in all kinds of packings.

PHARMAZEUTISCHE INDUSTRIE GESELLSCHAFT, Offenbach-am-Main.

**E. CRAWSHAW & CO.,**ANILINE DYE  
MERCHANTS,

Have Removed from 80 Fann Street, E.C., to 56 Great Dover Street, Borough, S.E. Proprietors of—

**CRAWSHAW'S PACKED DYES, and of BUNSEN'S BUTTER COLOURING ANILINE DYES** for all trades supplied in bulk in any quantities.

Write for quotations.

Telephone—3912 Central.

Telegrams—"Cachous London."

**HOT WATER BOTTLES**

BEST ENGLISH MAKE.

GREATLY REDUCED Prices from

**JAMES TOMPKINS, LIMITED.**

Rubber Manufacturers, 386 City Road, LONDON.

Established 33 Years.

All kinds of Surgical Rubber Goods, &amp;c., &amp;c.

The Manufacturers of  
**FARMER'S "BAITED" PHOSPHOR PASTE**  
respectfully ask their friends to order  
**"NURSO" GOLDEN NURSERY POMADE**

from their wholesale house. A splendid NIT OINTMENT, well put up, sells well, and recommends itself. Good Showcards, etc.  
2d. . . . 1/4 per doz. in 3 doz. boxes.  
4d. . . . 2/8 " prettily cartonnaged.

MANUFACTURED BY—

**F. FARMER & CO., 1a College Lane, High St., HOMERTON, N.E.****ARE YOU GETTING THE BEST RESULTS?**

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**H. GARTHWAITE,**

The Old Established Dental Mechanic,  
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Write at once for Price List.

**KRUSCHEN SALTS,**

produced by evaporation from the celebrated mineral springs. A perfect diuretic aperient for the treatment of Rheumatism, Gout, Constipation and Inactive Liver.  
Liebig's Analysis: Soda Sulph., Soda Chlorid., Soda Phosph.  
Magnes. Sulph., Magnes Chlorid., Potas. Sulph. Potas Chlorid.

Minimum Retail Price, 1/6.

Wholesale, 13/6 per doz. net.

Carriage Paid.

P.A.T.A. Conditions.

**E. GRIFFITHS HUGHES,**

Chemist.

17 Deansgate, Manchester.

**PRECIPITATED CHALK.**

LIGHTEST, WHITEST AND PUREST QUALITIES

To suit all purposes.

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**AUG. LEVERMORE & CO., LTD.,** 8/10, Gt. St. Helena, London, E.C.

Telegrams "LEVERMORE, LONDON." Telephone: 4613 CENTRAL.

STARCH, BLUE, SOAP, TOILET SOAP,  
DYEWARES, ANILINE COLOURS, TANNINS,  
DYEWOOD CHIPS and EXTRACTS,  
SODIUM-PERBORATE, HYDROGEN-PEROXIDE,  
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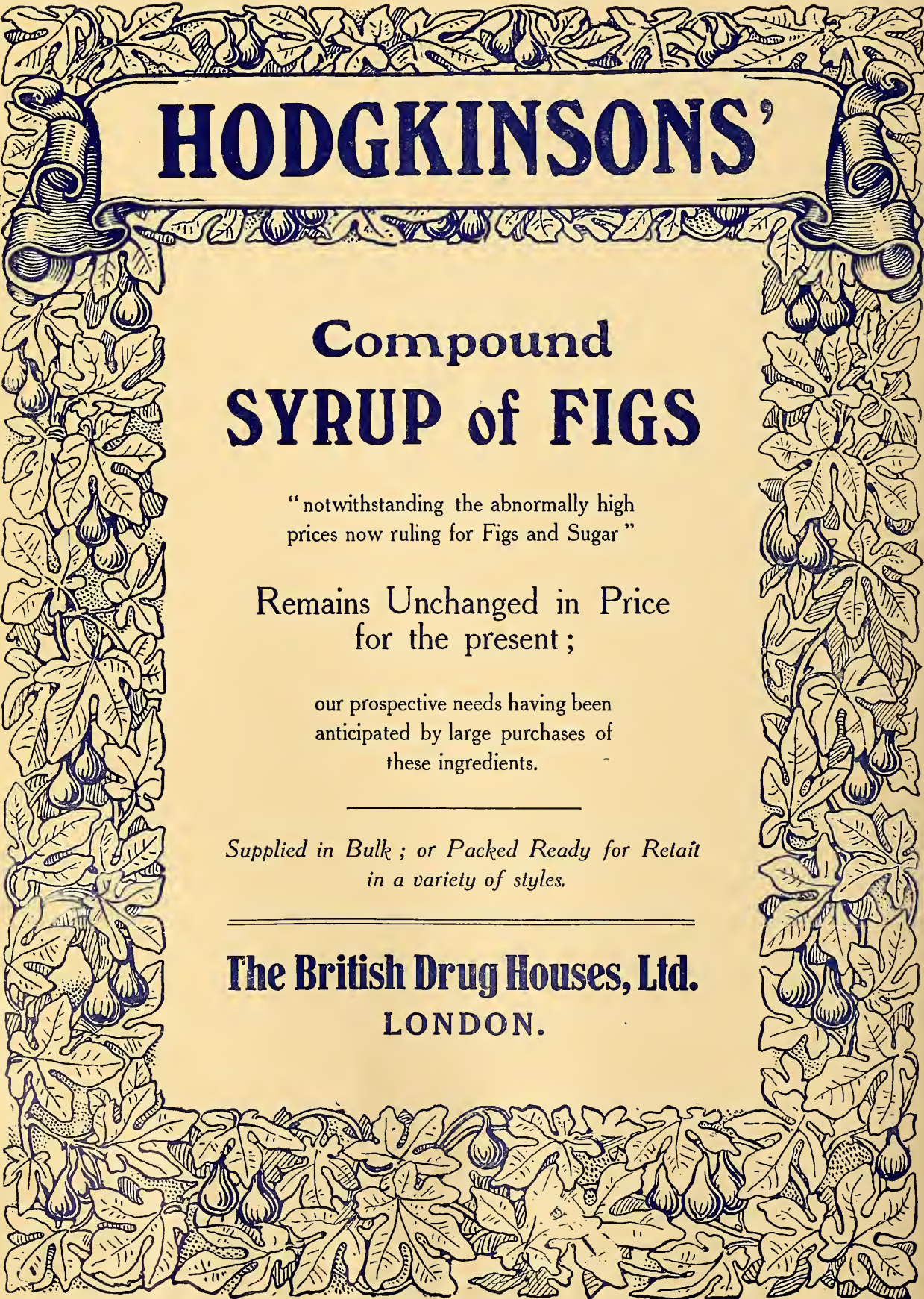
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